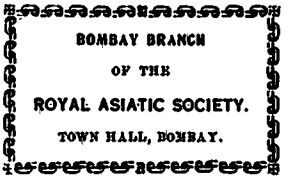
Return of
Wrecks and Casualties
in Indian Waters
1911 to 1923



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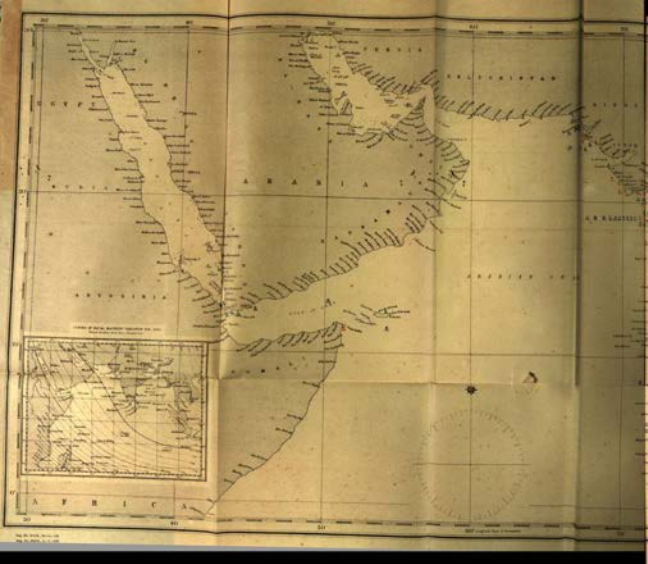
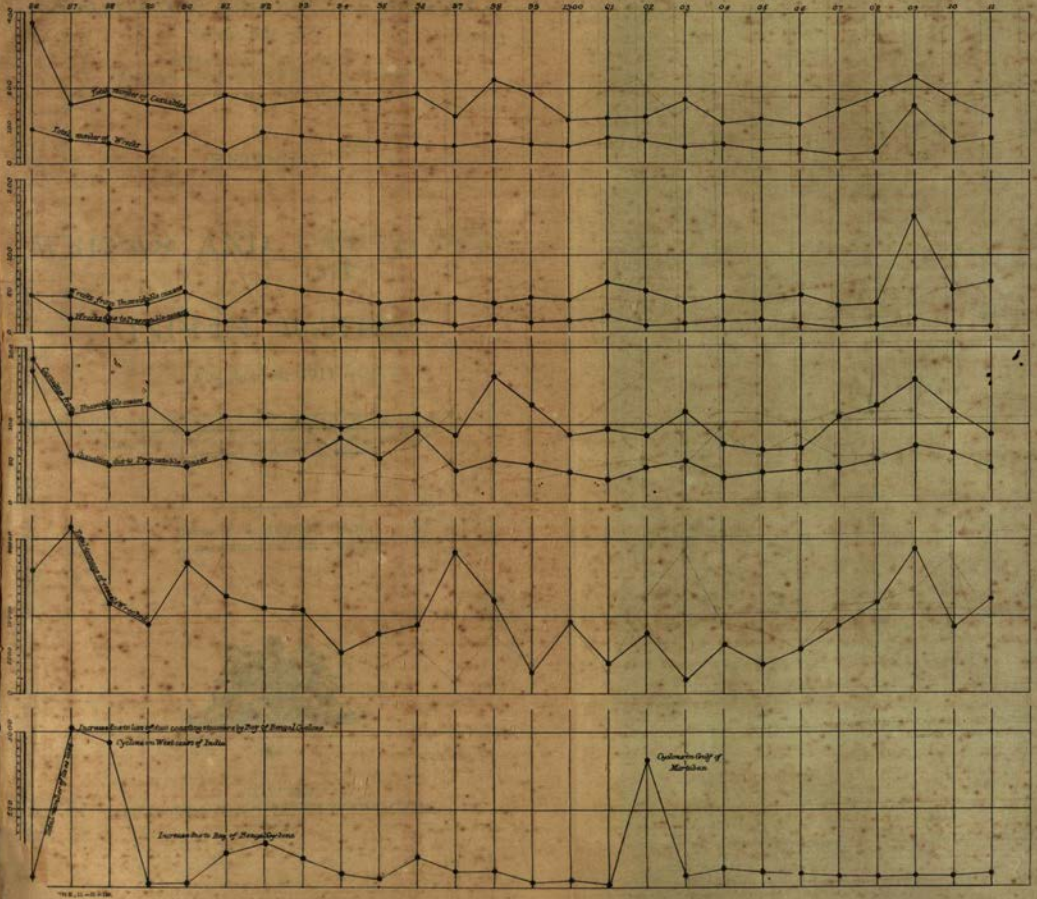

PERSIA
ARABIA
AFRICA

HINDOSTAN
BAY OF BENGAL
WRECK CHART
OF THE
INDIAN OCEAN

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1911 inclusive.


86 87 88 89 90 91 92 93 94 95 96 97 98 99 1900 01 02 03 04 05 06 07 08 09 10 11
Total number of Casualties
Total number of Wrecks
Wrecks Foreign Vessels
Wrecks Not to Foreign Vessels
Casualties Foreign Vessels
Casualties not to Foreign vessels
Total Tonnage of Vessels Wrecked
Increase due to Bay of Bengal Cyclone
Cyclone on West coast of India
Cyclone on Gulf of Martaban

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

SEPARATE REVENUE

COMMERCE AND TRADE—WRECKS AND CASUALTIES

RETURN

OF

WRECKS AND CASUALTIES

134697

IN

INDIAN WATERS

For the year 1911

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST TWENTY-SIX YEARS

PREPARED BY

COMDR. C. B. HENLEY, R.I.M.

for PORT OFFICER AND REGISTRAR OF WRECKS

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CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
1912

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REVIEW

THE Reports received by the Indian Wreck Department, during the year 1911, show that there were altogether 71 Wrecks, and 131 Casualties in Indian Waters during the period under report.

Amongst Wrecks are included 5 British and Foreign vessels, 47 British Indian vessels and 19 Native craft; and amongst Casualties 91 British and Foreign vessels, 34 British Indian vessels and 6 Native craft.

The total tonnage lost is estimated at 12,308 tons excluding 1 British vessel and 2 British Indian vessels, the tonnage of which could not be ascertained.

In connection with the 71 Wrecks, 45 lives were reported to have been lost, and 29 lives were lost owing to the 131 Casualties, thus making a total of 74 lives lost during the whole period.

The largest number of lives lost in one accident was reported to have occurred in the Gulf of Aden on the 9th August 1911 when the S.S. "Fifeshire" stranded and ultimately became a total wreck. This vessel had 35 passengers and a crew of 70 hands on board; of this number 81 were saved and 24 reported as missing. A Court of Enquiry was held and decided that the accident was due to an error of judgment on the part of the Master and Officers but attached no culpability to them.

Another regrettable incident was the capsizing of the Royal Indian Marine Steam Launch "Gunner" which resulted from her grounding on the 17th January 1912, off Da Silva point, Rangoon river, and caused the loss of 3 lives and the vessel. A Court of Enquiry was held at Rangoon and recorded the opinion that the Serang was responsible for the accident for which his certificate was cancelled.

The Wrecks consist of 2 Collisions, 24 Founderings, 40 Strandings and 5 Miscellaneous items; the Casualties comprise 35 Collisions, 5 Founderings, 71 Strandings and 20 Miscellaneous cases.

There were certain other trivial cases reported, but as they were of no importance they have not been incorporated in this Return.

The table "General localities" in which these Wrecks and Casualties occurred, shows that the largest number, *viz.*, 43 occurred on the Bombay and Goa coasts, 37 in the Hughli river, 27 on the Malabar coast, 26 on the Burma coast, 12 in the Gulf of Cambay, 9 in the Gulf of Aden and Red sea, 8 on the Sind coast and the rest in smaller numbers occurred in other localities in Indian waters.

The following Analyses show:—(A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1911 inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters were due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of wrecks and casualties in Indian waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1911 inclusive; (D) a tabular statement of the wrecks and (E) a tabular statement of the casualties reported in Indian waters during the year under review, arranged in the order in which they occurred.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1911 are also appended to this Return.

I record, with pleasure, the generous assistance I have received from various Marine Authorities and Shipping Firms in the preparation of this Return.

C. B. HENLEY, COMDR., R.I.M.,
for *Port Officer and Registrar of Wrecks, Calcutta.*

The 31st March 1912.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other Causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	1	...(a)	1	2	6,255	24	1	63	3
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Sailing	...	...	...	15	909	1	28	(b) 1,048	9	4	315	...
Native craft of all nationalities.												
Sailing	2	61	2	8	378	3	9	425	1	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	1	2,854	1	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	2	61	2	24	1,287	5	40	10,582	35	5	378	3
CASUALTIES.												
British vessels.												
Steam	26	(c) 34,611	...	2	227	1	39	84,076	...	13	(c) 32,368	10
Sailing	3	(c) 506	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Sailing	3	256	...	3	(d) 24	14	23	799	4	5	161	...
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	4	128	...	2	100	...
Vessels of Foreign nationalities.												
Steam	3	7,565	...	...	...	...	5	11,882	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	35	42,938	...	5	251	15	71	96,885	4	20	32,629	10
GRAND TOTAL	37	42,999	2	29	1,538	20	111	1,07,467	39	25	33,007	13

(a) Not including the tonnage of 1 British vessel not given.
(b) Ditto ditto of 2 British Indian vessels not given.
(c) Ditto ditto of 4 British vessels not given.
(d) Ditt ditto of 1 British Indian vessel not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1911, inclusive, showing respectively British and Foreign vessels, British Indian vessels, and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign Vessels.		British Indian Vessels.		Native Craft.			British and Foreign Vessels.		British Indian Vessels.		Native Craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886 . . .	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887 . . .	9	9	21	5	19	5	68	151	43	41	7	14	4	260
1888 . . .	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889 . . .	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890 . . .	10	11	23	14	9	1	73	65	41	23	7	5	...	141
1891 . . .	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892 . . .	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893 . . .	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894 . . .	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895 . . .	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896 . . .	5	3	23	9	10	...	54	38	64	42	20	22	3	189
1897 . . .	4	6	31	4	9	...	57	33	27	43	8	9	...	120
1898 . . .	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899 . . .	1	3	39	4	6	1	54	34	37	22	3	17	1	164
1900 . . .	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901 . . .	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902 . . .	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903 . . .	...	...	27	5	10	1	43	16	41	34	7	13	2	163
1904 . . .	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905 . . .	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906 . . .	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907 . . .	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908 . . .	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909 . . .	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910 . . .	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911 . . .	2	3	45	2	17	2	71	50	41	32	2	5	1	131

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1911, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1899	218	2,728	22
1887	228	20,022	1,016(*a*)	1900	169	9,140	34
1888	238	11,739(*b*)	917	1901	189	4,980	22
1889	217	9,629	35	1902	183	6,949(*c*)	831
1890	214	16,973	22	1903	206	1,823(*d*)	50
1891	231	12,068	240	1904	164	6,095(*e*)	73
1892	230	10,410	272	1905	147	3,470(*f*)	86
1893	223	12,428	170	1906	172	5,545(*g*)	82
1894	234	5,180	81	1907	189	8,602(*h*)	70
1895	212	7,982	63	1908	225	11,768(*i*)	55
1896	241	8,147	168	1909	391	18,620(*j*)	69
1897	177	18,141	96	1910	242	8,280(*k*)	64
1898	257	11,979	75	1911	202	12,308(*l*)	74

From the foregoing it will be seen that during the past 26 years, *viz.*, from 1886 to 1911, inclusive, the annual average of the reported wrecks and casualties in Indian waters has been 225; the average total tonnage of vessels wrecked was 10,016 and the average number of lives lost was 184.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lamport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British Steam Launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Fateh Kabbim	British Indian	60	Karachi	Cochin and Calicut	January 3rd
2	Rupabel	Do. do.	75	Cannanore	Bhavnagar	Do. 5th
3	Allimadat	Native craft	55	Veraval	Porbandar and Keti Bandar.	Do. 16th
4	Gunner	British steam launch.	63	Plying in the Military	Rangoon river in Service.	Do. 17th
5	Cargo boat No. 16942	Native craft	11	Plying in the	Hughli river	Do. 22nd
6	Tona Betal	Do. do.	20	Goa	Tadri	Do. 27th
7	Shrishantadurga Devi	British Indian	15	Tadri	Barya and Bombay	Do. 31st
8	Kulcar Prasad	Native craft	36	Chapora in Goa	Hangarkotta	February 1st
9	Yashawanti	Do. do.	8	Bombay	Jaigadh	Do. 2nd
10	Bhawani Pasha	Do. do.	40	Kattakal	Utan and Anjar	Do. 4th
11	Naranpassa	Do. do.	64	Keti Bandar	Mahi and Kalai	Do. 7th
12	Energy	British steam launch.	Not given.	Mandalay	Tagaung and Tigyaing.	March 3rd
13	Dastagiri	British Indian	9	Jaitapur	Malpe	Do. 8th
14	Sakari	Native craft	50	Calicut	Bombay and Karachi	Do. 17th
15	Bagla Samba	Do. do. (Arabia).	47	Arabia	Bombay	Do. 27th
16	Labh Savai	British Indian	23	Dahanu	Broach	Do. 29th
17	Ramprasad	Do. do.	23	Mangalore	Bankot	April 1st
18	Bergedorf	German screw steamer.	2,854	Colombo	Cochin and Hamburg	Do. 3rd
19	Gibishwar	British Indian	53	Karanja	Ponani	Do. 7th
20	Taif	Do. do.	245	Chittagong	Car Nicobar island	Do. 13th
21	Laxumi	Do. do.	51	Honawar	Bombay	Do. 15th
22	Ya-Ta-Yin-Byan	Do. do.	54	Rangoon	Tavoy	Do. 16th
23	Zavar Passa	Do. do.	40	Broach	Bombay	Do. 18th
24	Yacubali	Do. do.	164	Rangoon	Tondi	Do. 19th
25	Vebisal	Native craft	47	Vengurla	Bombay and Dwarka	Do. 21st
26	Laxmi	British Indian	8	Bombay	Karanja	May 20th
27	Malsaprasad	Native craft	50	Do.	Marmagao	Do. 25th
28	Laxumi Prasad	British Indian	10	Bankot	Bombay	Do. 27th

waters during the year 1911.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
South of Beypur river entrance	Malabar coast	Stranding.—Heavy weather	In ballast	None lost.
Near Vesava	Bombay do.	Do. Do.	Partially lost and partially damaged.	Do.
Between Khobar and Tursian mouths of the river Indus.	Sind do.	Do. Do.	No cargo	Do.
Off DaSilva Point, Rangoon river.	Burma do.	Capsized.—Error of the Serang	Do.	3 lives lost.
Near Kidderpore Moorings	Hughli river	Collision with the S. S. "*Jattra*."—Error of the Tindal.	All lost	1 life do.
Off Ankola Port	Bombay coast	Foundering.—Heavy weather	Do.	3 lives do.
Off Talkeshwar lighthouse	Do. do.	Capsized.— Do.	Do.	None lost.
Hangarkotta Port	Malabar do.	Stranding.— Do.	No cargo	Do.
Naughar	Bombay do.	Do. Do.	Partially lost and partially damaged.	1 life lost.
Dhamlej	Kathiawar do.	Do. Do.	Partially lost	None lost.
Madhavpur	Do. do.	Do. Do.	All lost	Do.
Tigyaing, Irrawaddy river	Burma do.	Foundering.— Do.	No cargo	1 life lost.
Malpe	Malabar do.	Stranding.— Error of the Tindal	Partially damaged.	None lost.
Near Gorser	Kathiawar do.	Do. Heavy weather	Partially lost	Do.
Off Kolthara	Bombay do.	Foundering.— Do.	All lost	Do.
Mouth of the Narbuda river	Gulf of Cambay	Stranding.—Error of the Tindal	Do.	Do.
Mirya bay	Bombay coast	Do. Heavy weather	Do.	Do.
3 miles off Cape Comorin	Gulf of Manar	Do. Error of the Master	Partially lost	1 life lost.
Varoda	Bombay coast	Foundering.—Sprung a leak	Do.	None lost.
24 miles south-east of Car Nicobar island.	Bay of Bengal	Do. Heavy weather	All lost	Do.
Honawar bar	Bombay coast	Stranding.— Do.	Partially lost	Do.
Off the mouth of the Tavoy river.	Burma do.	Foundering.— Do.	All lost	1 life lost.
Mouth of the Narbuda river	Gulf of Cambay	Do. Do.	Partially lost and partially damaged.	None lost.
Lat. 11° 30′N., long. 80°14′E.	Coromandel coast	Sprung a leak.— Do.	All lost	Do.
Off Veraval	Kathiawar do.	Foundering.— Do.	Partially lost and partially damaged.	Do.
Near Kansa rocks	Bombay do.	Do. Sprung a leak	All lost	Do.
Off Dabhol	Do. do.	Collision with the S. S. "*Queda*".—Regulation lights not exhibited.	Do.	1 life lost.
Near Bankot bar	Do. do.	Stranding.—Heavy weather	In ballast	None lost.

D.—WRECKS reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
29	CARGO BOAT No. 26	Native craft	27	Cuttack	False Point	May 29th
30	DOWLATPASSA	Do. do.	122	Cochin	Calicut and Kutch Mandvi.	Do. 30th
31	BANASUR	British Indian	35	Mora	Mirya	Do. 31st
32	REMANI	Do. do.	58	Colombo	Nicobars	June 7th
33	DHUNPRASAD	Do. do.	41	Bombay	harbour	Do. 10th
34	JAVERIPRASAD	Do. do.	100	Cochin	Bombay	Do. 11th
35	DHANPRASAD	Do. do.	92	Calicut	Do.	Do. 12th
36	GOOLABI	Do. do.	12	Bombay	harbour	Do. 13th
37	SAFFARI	Do. do.	111	Bombay	Karachi	Do. do.
38	HARSINGAR	Do. do.	33	Karachi	Keti and Jungle Chuhar Jamali.	Do. 15th
39	CARGO BOAT No. 13.	Native craft	44	Cuttack	False Point	Do. 24th
40	FIFESHIRE	British screw steamer.	3,700	Liverpool	Albany and London	August 9th
41	JAMNAPRASAD	British Indian	5	Goga	Dehej	Do. 16th
42	CARGO BOAT No. 21	Native craft	33	Cuttack	False Point	Do. 19th
43	CARGO BOAT No. 3	Do. do.	38	Do.	Do. do.	Do. do.
44	GANESH PRASAD	British Indian	8	Bombay	Thal	Do. 21st
45	RATNAGIRI	Do. do.	20	Bhavnagar	Broach	Do. 28th
46	CARGO BOAT No. 74	Do. do.	24	Lohara	Do.	Do. do.
47	SEPAMALAI MARIA ANNAI EMMANUEL PURAVO.	Do. do.	20	Trincomali	Maletivu and Kankesanturai.	September 19th
48	SATHIANARAYANA MOORTHY.	Do. do.	252	Cocanada	Calcutta	Do. 25th
49	RAHIMANI	Do. do.	69	Bombay	Vengurla and Mangalore.	October 20th
50	CARGO BOAT No. 192	Do. do.	29	Calcutta	Balasore	November 20th
51	LEKHMIPASSA	Native craft	99	Calicut	Karwar and Karachi	Do. 24th
52	DOLATPASSA	Do. do.	61	Porbandar	Cochin	Do. do.
53	FARASISKA	Do. do.	12	Honawar	Do.	Do. do.
54	KAGESHWARI	British Indian	52	Mora	Ponani	Do. do.
55	RATNAPRABHA	Do. do.	Unknown	Ooran	Cannanore and Tellicherry.	Do. do.
56	VITTAL PRASAD	Do. do.	37	Kallai	Bhavnagar	Do. do.

waters during the year 1911—*continued.*

Position of wrecks and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
False Point harbour . .	Orissa coast .	Foundering.—Heavy weather . .	All lost .	None lost.
3 miles off Jafarabad light .	Kathiawar do. .	Do. Do. . .	No cargo .	Do.
Mirya bay	Bombay do. .	Stranding—Tides and currents . .	Do. .	Do.
South-east of Rameswaram island.	Gulf of Manar .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Bombay harbour . . .	Bombay coast . .	Do. Do. . . .	No cargo .	Do.
Near Alvikodi . . .	Malabar do. . .	Do. Tides and currents .	Partially lost .	Do.
Rampar	Bombay do. . .	Do. Heavy weather . .	Do. .	Do.
Bombay harbour . . .	Do. do. . .	Foundering.—Tides and currents .	All lost .	Do.
Off Navapur Bandar . .	Do. do. . .	Stranding.—Heavy weather . .	Do. .	Do.
Off Sanwalpore, River Indus .	Sind do. . .	Foundering.—Accidental . .	None lost .	Do.
False Point harbour . .	Orissa do. .	Do. Heavy weather . .	All lost .	Do.
Lat. 11° 30′ N., long. 51° 7′ E.	Gulf of Aden . .	Stranding.—Error of judgment on the part of the Master and Officers.	Partially lost .	24 men missing.
West coast of Lobara lighthouse	Gulf of Cambay .	Foundering.—Heavy weather . .	All lost .	None lost.
False Point harbour . .	Orissa coast . .	Do. Do. . .	Do. .	Do.
Do. do. . .	Do. do. . .	Do. Do. . .	Do. .	Do.
Near Kundari islands . .	Bombay do. .	Do. Do. . .	Partially lost and partially damaged.	Do.
East of Lohara lighthouse .	Gulf of Cambay .	Do Tides and currents .	All lost .	Do.
Off Lohara lighthouse . .	Do. do. .	Stranding.—Heavy weather . .	Partially lost and partially damaged.	Do.
Muletivu	Ceylon coast . .	Do. Breaking of rudder pin .	None lost .	Do.
Lat. 16° 52′ N., long. 86° 8′ E.	Bay of Bengal .	Foundering.—Heavy weather . .	In ballast .	Do.
About 20 miles off Goa . .	Goa coast . .	Capsized.— Do. . .	Do. .	Do.
Mouth of the Panchpara river .	Orissa do. . .	Stranding.— Do. . .	Partially lost and partially damaged.	Do.
Calicut anchorage . . .	Malabar do. . .	Do. Do. . .	None lost. .	Do.
Calicut	Do. do. . .	Do. Do. . .	Partially lost .	Do.
Off Beypore	Do. do. . .	Do. Do. . .	Partially lost and partially damaged.	Do.
Mogral	Do. do. . .	Do. Do. . .	All lost .	Do.
Off Chandragiri . . .	Do. do. . .	Do. Do. . .	Do. .	Do.
Chandragiri river bar . .	Do. do. . .	Do. Do. . .	Partially lost .	Do.

D.—WRECKS reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
57	SHIVA PRASAD	British Indian	67	Sadasivgad	Bombay	November 24th.
58	SHAMUL HAMID	Do. do.	24	Kallai	Kundapur	Do. do.
59	LAXMIPRASAD	Do do.	18	Mangalore	Cochin	Do. do.
60	FATHAHOOL BARI	Do. do.	46	Ponani	Mangalore	Do. do.
61	SALAMATHY	Do. do.	60	Mangalore	Cochin	Do do.
62	BAKHIYATH	Do. do.	26	Do.	Do.	Do. do.
63	DARIA DOWLAT	Do. do.	67	Bellimora	Kottakal and Karachi	Do. do.
64	MALIKULLI BHAR	Do. do.	16	Calicut	Androth island	Do. do.
65	FATTE SALAM	Do. do.	Unknown	Karachi	Cochin	Do. 25th.
66	KHENGTI	Do. do.	14	Bombay	Honawar	Do. do.
67	CHITRAPRASAD	Do. do.	34	Do.	Nivti and Vengurla	Do. do.
68	RAJA	Do. do.	20	Do.	Vengurla	Do. do.
69	LABH-SAWAI	Do. do.	32	Do.	Murmagao	Do. do.
70	HEMAVATI	Do. do.	19	Sadashivgad	Jaygad	Do. do.
71	FAKHRI	British screw steamer.	2,555	Bombay	Jeddah and Perim	December 19th.

waters during the year 1911—*concluded.*

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Sherur bar . . .	Malabar coast . .	Sprung a leak.—Tides and currents .	Partially lost .	None lost.
2 miles north of Kaph light-house.	Do. do. . .	Stranding.—Heavy weather . .	Do. .	Do.
Muttoongal . . .	Do. do. . .	Do. Do. . .	All lost .	Do.
On the sea shore of Kadapatna	Do. do. . .	Do. Do. . .	Partially lost and partially damaged.	Do.
Near Ponani . . .	Do. do. . .	Foundering.— Do. . .	All lost .	Do.
Ponani	Do. do. . .	Stranding.— Do. . .	Do. .	Do.
Between Cannanore and Azhikal.	Do. do. . .	Foundering.— Do. . .	Do. .	Do.
Mattool	Do. do. . .	Stranding.— Do. . .	Partially lost .	Do.
South of Netrani hills . .	Bombay do. . .	Do. Do. . .	All lost .	9 lives lost.
Off Chandia . . .	Do. do. . .	Do. Do. . .	In ballast .	None lost.
Near the mouth of the Vengurla creek.	Do. do. . .	Do. Do. . .	No cargo .	Do.
Do. do. .	Do. do. . .	Do. Do. . .	Do. .	Do.
Vengurla	Do. do. . .	Foundering.— Do. . .	All lost .	Do.
Do.	Do. do. . .	Do. Do. . .	Partially lost .	Do.
Pirie point, Perim island .	Red sea . . .	Stranding.— Do. . .	Water ballast .	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—CASUALTIES reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	CARDIUM	British screw steamer.	3,994	Calcutta	Rangoon	January 4th
2	MASCOT	Do. motor vessel.	169	Plying in the river.	Rangoon	Do. 10th
3	DUNERA	Do. screw steamer.	3,403	Calcutta	Rangoon	Do do.
4	KESTREL	Do. steam launch.	11	Rangoon	Seikgyi	De. 11th
5	ISTEAR	Do. screw steamer.	2,979	Cardiff	Colombo and Rangoon	Do. 12th
6	SCOTLAND	Do. Inland steamer.	30	Narayanganj	Calcutta	Do. do.
7	LADY MCCALLUM	Do twin screw steamer.	531	Colombo	Ammapatam	Do. do.
8	MALAKAND	Do. screw steamer.	4,928	Liverpool	Calcutta and Dundee	Do. 14th
9	LAXMI	Do. Indian	7	Kalyan	Bombay	Do. 15th
10	BHAVANI	Do. do.	7	Do.	Do.	Do. do.
11	JATTRA	Do. twin screw steamer.	138	Calcutta	Chandballi	Do. 22nd
12	ZAIDA	Do. screw steamer.	1,300	Tavoy	Rangoon	Do. 23rd
13	JATTRA	Do. twin screw steamer.	138	Chandballi	Calcutta	Do. 25th
14	GANGES	Do. screw steamer.	2,151	Barry	Trinidad and Calcutta	Do. 28th
15	BANGALA	Do. do.	1,935	Calcutta	Rangoon	Do. 29th
16	PALKHI	Do. Indian	8	Belapur	Bombay	February 1st
17	NARANPRASAD	Native craft	36	Kalyan	Do.	Do. 4th
18	FLAMINGO	British screw steamer.	2,150	Pondicherry	Calcutta	Do. 6th
19	TREVERBYN	Do. do.	2,642	New Port	Rangoon and Port Said.	Do. 8th
20	SAN FRANCISCO XAVIER	Do. do.	152	Goa	Bombay	Do. do.
21	LADY MCCALLUM	Do. twin screw steamer.	531	Colombo	Jaffna and Kalkuda	Do. 9th
22	GABIMABUEL SAYBIN	Do. Indian	4	Honawar	Shirali	Do. 10th
23	MINACHI SUNDRAM	Do. do.	174	Kaits	Akyab and Jaffna	Do. 13th
24	SHAHJEHAN	Do. screw steamer.	1,403	Rangoon	Moulmein and Calcutta.	Do. 20th
25	BOGOR	Dutch screw steamer.	2,306	Rotterdam	Suez and Batavia	Do. do.
26	BORNEO	Austrian screw steamer.	2,337	Calcutta	Colombo	Do. 28th
27	MACHHERI	British Indian	6	Bhavnagar	Kavi	March 2nd
28	FATEKHER	Native craft.	67	Porbandar	Gwadar	Do. 7th

waters during the year 1911.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
About 12 miles off China Bakir light, Gulf of Martaban.	Burma coast	Collision with the Barque "*Bezwada Kanakadwiga*". Error of the Tindal of the barque.	In ballast	None lost.
Rangoon river	Do. do.	Fire.—Explosion	No cargo	4 lives lost.
Near Chandpal Ghat	Hughli river	Collision with a cargo boat.—Error of the Tindal of the boat.	None lost	None lost.
Rangoon river	Burma coast	Foundering.—Collision	All lost	1 life lost.
Monkey point, Rangoon river	Do. do.	Stranding.—Foggy weather	No cargo	None lost.
Near Kulpi	Hughli river	Collision with two country boats.—Error of the Serang.	Do.	Do.
Pamban Pass	Palk strait	Stranding.—Tides and currents	None lost	Do.
Kidderpore Docks	Hughli river	Fire.—Unknown	Partially damaged.	Do.
Thana	Bombay coast	Stranding.—Heavy weather	All lost	Do.
Do.	Do do.	Do. Do.	Do.	Do.
Near Kidderpore Moorings	Hughli river	Collision with cargo boat No. 16942.—Error of the Tindal of the boat.	None lost	Do.
Rangoon river	Burma coast	Do. with the S. L. "*Mungo*",—launch's refusal to shift eastward.	Do.	Do.
Kantabaria bank	Hughli river	Stranding.—Error of the Master	Do.	Do.
Diamond Sand	Do.	Do. —Error of the Pilot	In ballast	Do.
Lower College Sand	Do.	Do. Do.	None lost	Do.
Near Hog island	Bombay coast	Do. —Heavy weather	All lost	Do.
Tansa	Do. do.	Do. —Accidental	Do.	Do.
Calcutta	Hughli river	Damage to Boiler.—Error of the Chief and the 3rd Engineers.	None lost	Do.
Off Diamond Reach, Rangoon river.	Burma coast	Stranding.—Unavoidable	Do.	Do.
Bombay harbour	Bombay do.	Collision with the Dock wall at Mody bay.—Error of the Chief Engineer.	No cargo	Do.
Sand bank channel, Pamban Pass.	Palk strait	Stranding.—Narrowness of the channel.	None lost	Do.
Shirali river entrance	Bombay coast	Do. Tides and currents	Partially lost and partially damaged.	Do.
Point Pedro	Ceylon do.	Do. Heavy weather	Partially lost	Do.
Belugyun channel, Moulmein river.	Burma do.	Do. Error of the Pilot	None lost	Do.
Perim harbour	Red sea	Do. Unknown	Do.	Do.
Koffree Reach	Hughli river	Do. Jamming of the helm	Do.	Do.
Opposite Deojugan lighthouse	Gulf of Cambay	Do. Error of the Tindal	Partially lost	1 life lost.
Off Karachi	Sind coast	Sprung a leak.—Heavy weather	Do.	None lost.

E.—CASUALTIES reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
29	OLGA	Austrian screw steamer.	1,951	Moulmein	Rangoon and Fiume	March 10th
30	PUTIALA	British screw steamer.	1,929	Tuticorin	Colombo	Do. do.
31	DUMRA	Do. do.	762	Busreh	Bombay	Do. 12th
32	ZAMANIA	Do. do.	2,780	Rangoon	Gopalpore	Do. 18th
33	NASIB SAVAI	British Indian	19	Bulsar	Bhavnagar	Do. 19th
34	MAHAGIRI LAXMI	Do. do.	21	Belapur	Bombay	Do. 21st
35	OCTOPUS	Do. steam dredger.	216	Dredging in the harbour.	Bombay	Do. 22nd
36	LAXMI	Do. Indian	7	Malwan	Devgad and Mumbri	Do. 24th
37	FRANCESCO MUSNER	Austrian screw steamer.	2,082	Moulmein	Port Said	Do. 29th
38	MA SEIN	British motor launch.	Not given.	At	Rangoon.	Do. 30th
39	CLAVERLEY	Do. screw steamer.	2,441	Cardiff	Suez and Bombay	Do. 31st
40	CARGO BOAT No. 20	Do. Indian	93	Tavoy	Rangoon	April 1st
41	AYMERIC	Do. screw steamer.	2,789	Calcutta	New York	Do. 5th
42	BHAVANI	Do. Indian	57	Mora	Ponani	Do. 6th
43	KAPURTHALA	Do. screw steamer.	721	Penang	Ye Bar and Rangoon	Do. 7th
44	PARSHURAM PRASAD	Do. Indian	16	Bombay	Hangarkotta and Nova Goa.	Do. 9th
45	MALDA	Do. screw steamer.	1,250	Calcutta	Kyauk Pyu and Sandoway.	Do. 13th
46	SAKHARI SALAMATI	Do. Indian	22	Bombay	Kalyan	Do. 14th
47	AUNG BYAN	Do. do.	67	Rangoon	Tavoy	Do. 17th
48	LALSWAI	Do. do.	45	Sirgandha	Mandvi	May 1st
49	HARI PRASAD	Do. do.	10	Belapur	Thana	Do. 3rd
50	PETER JEBSEN	Norwegian screw steamer.	2,274	Bergen	Calcutta and Sabang	Do. 7th
51	SILESIA	Austrian screw steamer.	3,340	Calcutta	Colombo and Trieste	Do. do.
52	KHATASPRASAD	Native craft.	57	Broach	Porbandar	Do. 8th
53	AXENFELS	German screw steamer.	2,759	Hamburg	Calcutta and Chittagong.	Do. 22nd
54	QUEDA	British screw steamer.	4,944	Calcutta	Cochin and Bombay	Do. 25th
55	HORMASD	Do. Indian	28	Kalyan	Bombay	Do. do.

waters during the year 1911—*continued*.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Colombo harbour	Ceylon coast	Collision with the S. S. "*Putiala*."—Unknown.	Not reported	None lost.
Do. do.	Do. do.	Do. with the S. S. "*Olga*."—Unknown.	None lost	Do.
Buseh	Persian Gulf	Stranding.—Error of the Master	Do.	Do.
Rangoon river	Burma coast	Do. Accidental	Do.	Do.
Off Tapti light	Gulf of Cambay	Do. Heavy weather	Partially lost and partially damaged.	Do.
Between Belapur and Hog island.	Bombay coast	Do. Do.	All lost	Do.
Bombay harbour	Do. do.	Foundering.—Error of the Master and crew.	No cargo	Do.
Off Mumbri	Do. do.	Capsized.—Heavy weather	All lost	Do.
Moulmein river	Burma do	Stranding.—Error of the Pilot	None lost	Do.
Rangoon	Do. do.	Fire.—Explosion	No cargo	5 lives lost.
North-west side of Perim island.	Red sea	Stranding.—Error of the Master	None lost	None lost.
Wadi creek, Tavoy river	Burma coast	Capsized.—Heavy weather	All lost	Do.
Sankrail Reach	Hughli river	Stranding.—Steering gear out of order.	None lost	Do.
Off Karwar	Bombay coast	Collision with a steamer.—Unknown	Partially lost	Do.
Moulmein river	Burma do.	Stranding.—Error of the Pilot	None lost	Do.
Hangarkotta bar	Malabar do.	Do. Collision and heavy weather.	Partially lost and partially damaged.	Do.
Cheduba strait	Burma do.	Do. Accidental	None lost	Do.
West of Kulva Bridge	Bombay do.	Do. Do.	All lost	Do.
Off Shinmaw Pagoda, Tavoy river.	Burma do.	Do. Heavy weather	Partially lost	Do.
Mouth of the Sir creek, river Indus.	Sind do.	Do. Accidental	Partially lost and partially damaged.	Do.
Westward of Belapur port	Bombay do.	Capsized.—Tides and currents	All lost	Do.
Garden Reach	Hughli river	Collision with the S. S. "*Silesia*."—Error of the Pilot.	None lost	Do.
Do. do.	Do. do.	Do. with the S. S. "*Peter Jebsen*."—Error of the Pilot of that vessel.	Do.	Do.
Piram island	Gulf of Cambay	Stranding.—Error of the Tindal	Partially lost and partially damaged.	Do.
Mouth of the Chittagong river	Chittagong coast	Do. Error of the Master	None lost	Do.
Off Dabhol	Bombay do.	Collision with Pattimar "*Malsaprasad*."—Regulation lights not exhibited from that vessel.	Do.	Do.
Kalyan	Do. do.	Stranding.—Heavy weather	All lost	Do.

E.—CASUALTIES reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
56	KAZEMBE	British screw steamer.	2,935	New York	Kobe and Calcutta	May 26th
57	SHIRALA	Do. do.	3,400	Calcutta	Dabai and Bahrein	Do. do.
58	FLORICAN	Do. do.	2,382	Do.	Bassein	June 19th
59	SAINT DUNSTAN	Do. do.	2,756	Cardiff	Karachi and Port Said	Do. 21st
60	SAMSON	Do. brig	205	Rangoon	harbour.	Do. 24th
61	NALINI	Do. twin screw steamer.	118	Employed by the Calcutta.	Port Commissioners,	July 15th
62	JAIANTI	Do. paddle steamer.	Not given	Kalna	Calcutta	Do. do.
63	PUTTON	Native craft	8	Sirgandha	Lukhput	Do. 18th
64	BENGLOE	British screw steamer.	1,933	London	Port Said and Yokohama.	Do. 22nd
65	ORANGEMOOR	Do. do.	2,575	Cardiff	Suez and Aden	Do. 26th
66	HOPPER BARGE No. 4	Do. steam barge.	89	Employed by the Calcutta.	Port Commissioners,	August 1st
67	VENETIA	Do. screw steamer.	2,333	Calcutta	Colombo	Do. 2nd
68	WHITGIFT	Do. do.	2,842	Cardiff	Calcutta and Durban	Do. 13th
69	CURLEW	Do. steam Hopper barge.	498	Kalagouk island	Rangoon	Do. 16th
70	RAM PRASAD	Do. Indian	5	Panwell	Mora	Do. 17th
71	ASHMANI	Do. twin screw steamer.	118	Employed by the Calcutta.	Port Commissioners,	Do. 20th
72	DASHARATH	Do. Indian	8	Belapur	Bombay	Do. 30th
73	HARPENDEN	Do. screw steamer.	2,302	South Shields	Calcutta and Bombay	Do. do.
74	LHASA	Do. do.	950	Karachi	Porbandar and Bombay	September 6th
75	CITY OF AGRA	Do. do.	3,096	Liverpool	Calcutta and London	Do. 8th
76	EGRA	Do. do.	2,345	Calcutta	Rangoon and Singapore.	Do. 19th
77	CARGO BOAT No. 305	Do. Indian	160	Rangoon	harbour	Do. do.
78	ABYDOS	Do. screw steamer.	1,940	Colombo	Calcutta and Bombay	Do. 26th
79	SOFALA	Do. do.	3,436	Calcutta	Rangoon	Do. 27th
80	NANDI RANGILI	Do. Indian	6	Jageshwar	Broach	Do. do.
81	KASABA	Do. screw steamer.	505	Bombay	Mohomerah and Busreh.	Do. 28th
82	MATIN	Do do.	2,433	Cardiff	Calcutta and Hull	Do. 29th

waters during the year 1911—*continued*.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 20° 28′ N., long. 88° 36′ E.	Bay of Bengal	Damage to vessel.—Accidental	Water ballast	None lost.
Fasht-ad-Dibal shoal	Persian Gulf	Stranding.—Accidental	None lost	Do.
Basscin river	Burma coast	Do. Tides and currents	Do.	Do.
Karachi harbour entrance	Sind do.	Do. do.	Do.	Do.
Rangoon harbour	Burma do.	Run into by a cargo boat while at anchor.—Error of the Tindal of the boat.	No cargo	Do.
Lower end of Goosery sand	Hughli river	Collision with the Steamer "*Jaianti*."—Error of the Serang.	Do.	Do.
Do. do.	Do. do.	Do. with the Steamer "*Nalini*."—Error of the Serang of that vessel.	None lost	Do.
Avat creek	Sind coast	Stranding.—Heavy weather	Partially damaged.	Do.
Perim island	Red Sea	Do. —Unknown	Unknown	Do.
Strait of Babel Mandeb	Do.	Do. —Jamming of the steering gear.	None lost	Do.
Opposite East Indian Railway Goods shed, Howrah.	Hughli river	Collision with the S. L. "*Ghora*."—Error of the Serangs of both vessels.	Do.	Do.
Bellari bar entrance	Do. do.	Stranding.—Formation of a lump	Do.	Do.
Lat. 17° 9′ N., long. 86° 32′ E.	Bay of Bengal	Fire.—Unascertainable by Court of Enquiry.	Partially damaged.	Do.
Entrance to the Rangoon river.	Burma coast	Stranding.—Error of the Pilot.	None lost	Do.
2 miles off Panwell Port	Bombay do.	Do. —Not reported	Partially damaged.	Do.
Off Telkul Ghat, Howrah	Hughli river	Collision with the S. L. "*Kali*."—Error of the Serang.	No cargo	Do.
Near Ulwa	Bombay coast	Capsized.—Heavy weather	All lost	Do.
Budge Budge sands	Hughli river	Stranding.—Sudden break-down in the steering engine.	None lost	Do.
Bombay harbour	Bombay coast	Collision with the Bull nose at Victoria Dock entrance.—Error of the Master.	Do.	Do.
Royapur Reach	Hughli river	Stranding.—Steering engine not worked promptly.	Do.	Do.
Rangoon harbour	Burma coast	Collision with the Cargo-boat No. 305. Error of the Serang of the launch "*Elsa*" towing the boat.	No cargo	Do.
Do. do.	Do. do.	Do. with the S. S. "*Egro*."—Error of the Serang of the launch "*Elsa*" towing the boat.	All lost	Do.
Kidderpore Dock	Hughli river	Do. with the Dock wall—Error of the Assistant Harbour Master.	None lost	Do.
Oolobaria Reach	Do. do.	Stranding.—Tides and currents	Do.	Do.
Narbudda river	Gulf of Cambay	Foundering.—Tides and currents	Partially lost	11 lives lost.
Busreh river	Persian Gulf	Collision with the S. S. "*White Wings*."—Unknown.	None lost	None lost.
Garden Reach	Hughli river	Stranding—Bad steering qualities of the vessel combined with the strength of tide.	Do.	Do.

E.—CASUALTIES reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
83	MATIN	British screw steamer.	2,433	Cardiff	Calcutta and Hull	September 29th
84	RESCUE	Do. twin screw steamer.	89	Employed by the Calcutta.	Port Commissioners,	October 6th
85	ATLAS	Do. twin screw steam tug.	84	Harbour tug in	Calcutta	Do. do.
86	LANGBANK	Do. screw steamer.	2,966	Sourabaya	Colombo and Port Said	Do. 8th
87	LANGBANK	Do. do.	2,966	Do.	Do. do.	Do. do.
88	UPADA	Do. do.	3,382	Calcutta	Singapore	Do. do.
89	SEAGULL	Do. steam hopper barge.	497	Kulagouk	Rangoon	Do. 10th
90	ITINDA	Do. screw steamer.	3,398	Calcutta	Mauritius	Do. 11th
91	ELLORA	Do. do.	2,567	Rangoon	Calcutta	Do. 12th
92	NURJEHAN	Do. twin screw steamer.	118	Employed by the Calcutta.	Port Commissioners,	Do. 18th
93	NILE	Do. do.	4,179	Calcutta	Colombo and Antwerp	Do. 19th
94	CLAN MACNEIL	Do. screw steamer.	2,504	Mombasa	Chittagong and Dundee	Do. 20th
95	FRANCE	Do. Inland steamer.	Not given.	Narayanganj	Calcutta	Do. do.
96	CHATRA	Do. flat	Do.	Do.	Do.	Do. do.
97	MARDA	Do. screw steamer.	4,451	Cardiff	Colombo and Calcutta	Do. 28th
98	DASTAGIRI	Do. Indian	43	Jaitapur	Cochin and Vengurla	Do. 29th
99	VARD	Norwegian screw steamer.	2,398	Calcutta	Hamburg	Do. 30th
100	PUNDUA	British screw steamer.	2,126	Bombay	Bahrein and Bushire	November 2nd
101	DRILLING BARGE No. 94	Do. Indian	Not given	Bombay	harbour	Do. 6th
102	MUTTRA	Do. screw steamer.	2,985	Cocanada	Rangoon	Do. 7th
103	KYAUKTAN	Do. brig	301	Employed on	pilotage duty.	Do. do.
104	UGANDA	Do. screw steamer.	3,498	Calcutta	Gopalpore and Amsterdam.	Do. do.
105	ISMAILA	Do. do.	3,381	Do.	Gopalpore and Rangoon.	Do. 8th
106	EUNERWALI	Do. Inland steamer.	719	Juggernathganj	Goalundo and Calcutta	Do. 11th
107	RUPAREL	Do. Indian	27	Broach	Bhavnagar	Do. do.
108	SALAMATTI	Do. do.	18	Mangalore	Cochin	Do. do.
109	KASIPRASAD	Do. do.	39	Calicut	Bhavnagar	Do. do.
110	OOMEDPASA	Native craft	33	Sirgandha	Mandvi	Do. 12th

waters during the year 1911—*continued*.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Jarmakers Munikholi Crossing	Hughli river . .	Stranding.—Bad steering qualities of the vessel combined with a strong eddy current.	None lost .	None lost.
Off Chandpal Ghat . .	Do. . .	Collision with the Steam Tug "*Atlas*."—Error of the Master of that vessel.	No cargo .	Do.
Do.	Do. . .	Do. with the steamer "*Rescue*."—Error of the Master.	Do. .	Do.
Lat. 7° 36′ N., long. 75° 34′ E.	Indian Ocean . .	Striking some submerged object.—Accidental.	None lost .	Do.
Lat. 8° 23′ N., long. 71° 17′ E.	Do. . .	Do. do do. .	Do. .	Do.
Bellari Bar	Hughli river . .	Stranding.—Accidental . . .	Do. .	Do.
Kalagouk island . . .	Burma coast . .	Do. Unavoidable . . .	Do. .	Do.
Poojali Crossing . . .	Hughli river . .	Do. Tides and currents .	Do. .	Do.
Off Botataung buoy, Rangoon river.	Burma coast . .	Collision with a cargo boat.—Error of the Tindal of the boat.	Do. .	Do.
Calcutta	Hughli river . .	Do. with a cargo boat.—Error of the Serang.	No cargo .	Do.
Bellari Bar	Do. .	Stranding.—Formation of a lump.	None lost .	Do.
Chittagong harbour . .	Chittagong coast .	Fire.—Unknown	Partially lost and partially damaged.	Do.
Channel creek . . .	Sunderbans . .	Collision with the flat "*Chatra*" connected to the Str. "*Jaldhaka*."—Error of the Serang.	No cargo .	Do.
Do.	Do. . .	Do. with the Str. "*France*" with her flats in tow.—Error of the Serang of that vessel.	Partially damaged.	Do.
Garden Reach . . .	Hughli river . .	Do. with a pontoon bridge.—Defective Hydraulic gear, etc.	Water ballast .	Do.
Lat. 10° 40′ N., long. 75° 50′ E.	Malabar coast . .	Capsized.—Sudden change of wind .	Partially lost and partially damaged.	Do.
On the point of Port Seilan .	Gulf of Aden . .	Stranding.—Misty weather . .	None lost .	Do.
Bushire outer anchorage .	Persian Gulf . .	Collision with the S. S. "*Heighington*."—Unknown.	Do. .	Do.
Bombay harbour . . .	Bombay coast . .	Foundering.—Explosion under the barge caused by one of the drills striking an unexploded dynamite charge.	No cargo .	3 lives lost.
About 7 miles off China Bakir lighthouse.	Burma coast . .	Collision with the Pilot vessel "*Kyauktan*". Vessel's refusal to answer her port helm.	None lost .	None lost.
Do. do. . . .	Do. do. .	Do. with the S. S. "*Muttra*".—S. S. "*Muttra*" failed to answer her port helm.	No cargo .	Do.
College Sand . . .	Hughli river . .	Stranding.—Error of the Pilot .	None lost .	Do.
Gopalpore Roadstead . .	Madras coast . .	Do.—Error of the *Master*.	Do. .	Do.
Off Juggernathganj . .	Eastern Bengal .	Fire.—Unknown	Partially lost and partially damaged.	1 man missing.
Near the old lighthouse of Bhavnagar.	Gulf of Cambay .	Stranding.—Tides and currents .	All lost .	None lost.
Cochin harbour . . .	Malabar coast .	Foundering.—The vessel being old made water.	Partially lost .	Do.
Lat. 21° 48′ N., long. 72° 7′ E.	Gulf of Cambay .	Collision with sign posts.—Tides and currents.	Do. .	Do.
Seer creek, mouth of the river Indus.	Sind coast . .	Capsized.—Heavy weather . .	Do. .	Do.

E.—CASUALTIES reported in Indian

No.	NAME OF VESSEL.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
111	ARDCHATTAN	British Inland steamer.	296	Jhalakali	Calcutta	November 16th
112	THORNBECK	Do. screw steamer.	2,345	Dunstan	Salif and Calcutta	Do. 17th
113	ASHMANI	Do. twin screw steamer.	118	Employed by the Calcutta.	Port Commissioners,	Do. do.
114	NURJEHAN	Do. do.	118	Do. do.	do.	Do. do.
115	KUALA	Do. screw steamer.	360	Dundee	Suez and Singapore	Do. 19th
116	BEACHY	Do. do.	2,997	London	Aden and Calcutta	Do. 21st
117	LAKHMYPRASAD	Do. Indian	40	Kati Bandar	Cochin	Do. 24th
118	ABBASI	Do. do.	70	Bombay	Kallai and Bhavnagar	Do. do.
119	HARSINGAR	Do. do.	49	Plying in the roadstead at Kallai		Do. do.
120	RAMPRASAD	Do. do.	47	Mora	Monambam	Do. do.
121	PATHANE	Do. do.	39	Ponani	Mangalore	Do. do.
122	DARIA DOWLAT	Do. do.	44	Cochin	Mangalore	Do. 25th
123	LAXMI	Do. do.	18	Bhiwandi	Trombay	Do. do.
124	LISMORE	Do. screw steamer.	2,277	London	Madras and Calcutta	Do. do.
125	OANFA	Do. twin screw steamer.	5,810	Vancouver (B. C.)	Colombo and Liverpool	December 2nd
126	RAMPRASAD	Do. Indian	86	Broach	Dholera	Do. 5th
127	MAHADEVPASA	Native craft	27	Keti Bunder	Mandvi	Do. 13th
128	DUNOLLY	British screw steamer.	2,127	Liverpool	Karachi and Port Said	Do. 21st
129	KINTAIL	Do. do.	2,252	Calcutta	Dunkirk	Do. 24th
130	KINTAIL	Do. do.	2,252	Do.	Do	Do. 26th
131	HATUMET	Do. do.	2,584	Do.	Colombo	Do. 27th

waters during the year 1911—*concluded.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Bhandaria	Eastern Bengal .	Stranding. Unknown . . .	Damaged .	None lost.
Off Ras-al-Ara . . .	Gulf of Aden . .	Do.—Error of the Master, Chief and 2nd Officers.	Partially lost .	Do.
Abreast of the Chandpal Ghat, Calcutta.	Hughli river . .	Collision with the Steamer "*Nurjehan*".—Error of the Serangs of both vessels.	No cargo .	Do.
Do. do. . . .	Do. do. .	Do. with the Steamer "*Ashmasi*"—Error of the Serangs of both vessels.	Do. . .	Do.
Off Ras Haulaf, Socotra .	Arabian sea . .	Stranding.—Heavy weather . .	Do. . .	Do.
Minikoi island . . .	Do. do. .	Do—Northerly currents . .	Partially lost	Do.
Off Beykul	Malabar coast . .	Do.—Heavy weather . . .	All lost . .	Do.
Sashibithal, Mulky port ,	Do. do. .	Do. Do. . .	Partially lost	Do.
Off Kallai	Do. do. .	Do. Do. . .	None lost .	Do.
Kottakal	Do. do. .	Do. Do. . .	Partially lost and partially damaged.	Do.
Mangalore	Do. do. .	Do. Do. . .	Partially lost .	Do.
Do.	Do. do. .	Do. Do. . .	All lost . .	Do.
Thana	Bombay do .	Do. Do. . .	Do. . .	Do.
Brul Sand	Hughli river . .	Do. —Error of the Pilot . .	None lost .	Do.
Lat. 11° 35′ N., long. 54° 5′ E.	Arabian sea . .	Fire.—Unknown	Partially lost and partially damaged.	Do.
Off Dholera light . . .	Gulf of Cambay .	Stranding.—Tides and currents . .	Do. .	3 lives lost.
Sir mouth of the river Indus .	Sind coast . .	Do. —Heavy weather . .	Do. .	None lost.
Exact spot not reported . .	Gulf of Aden . .	Damage to machinery.—Unknown .	None lost .	Do.
Royapur Reach . . .	Hughli river . .	Stranding.—Vessel's refusal to answer her port helm.	Do. .	Do.
Lat. 15° 51′ N., long. 85° 57′ E.	Bay of Bengal .	Fire.—Unknown	Partially damaged.	Do.
Edge of College Sand . .	Hughli river . .	Stranding.—Error of the Serang of the Str. "*Punjab*".	None lost .	Do.

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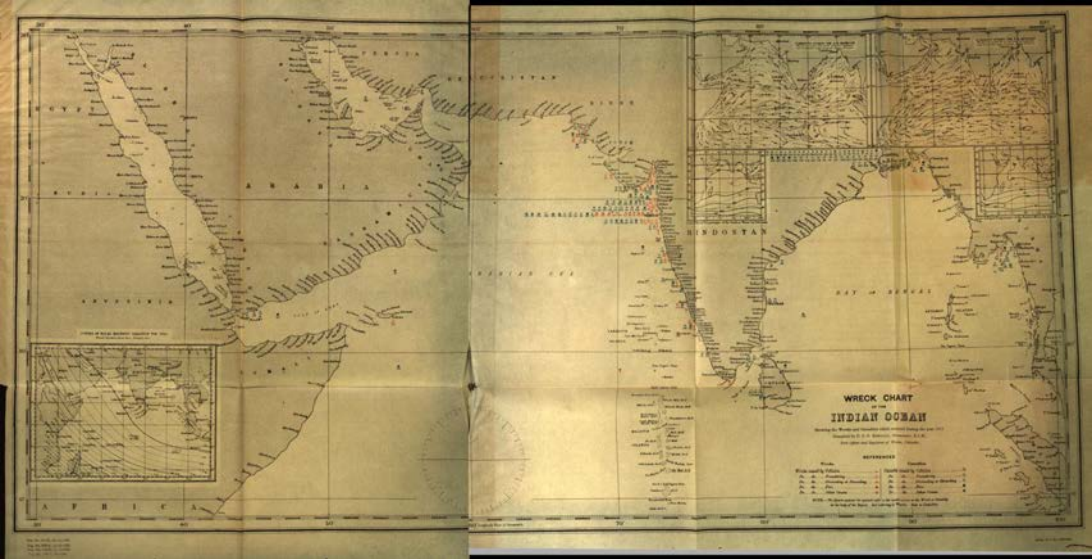
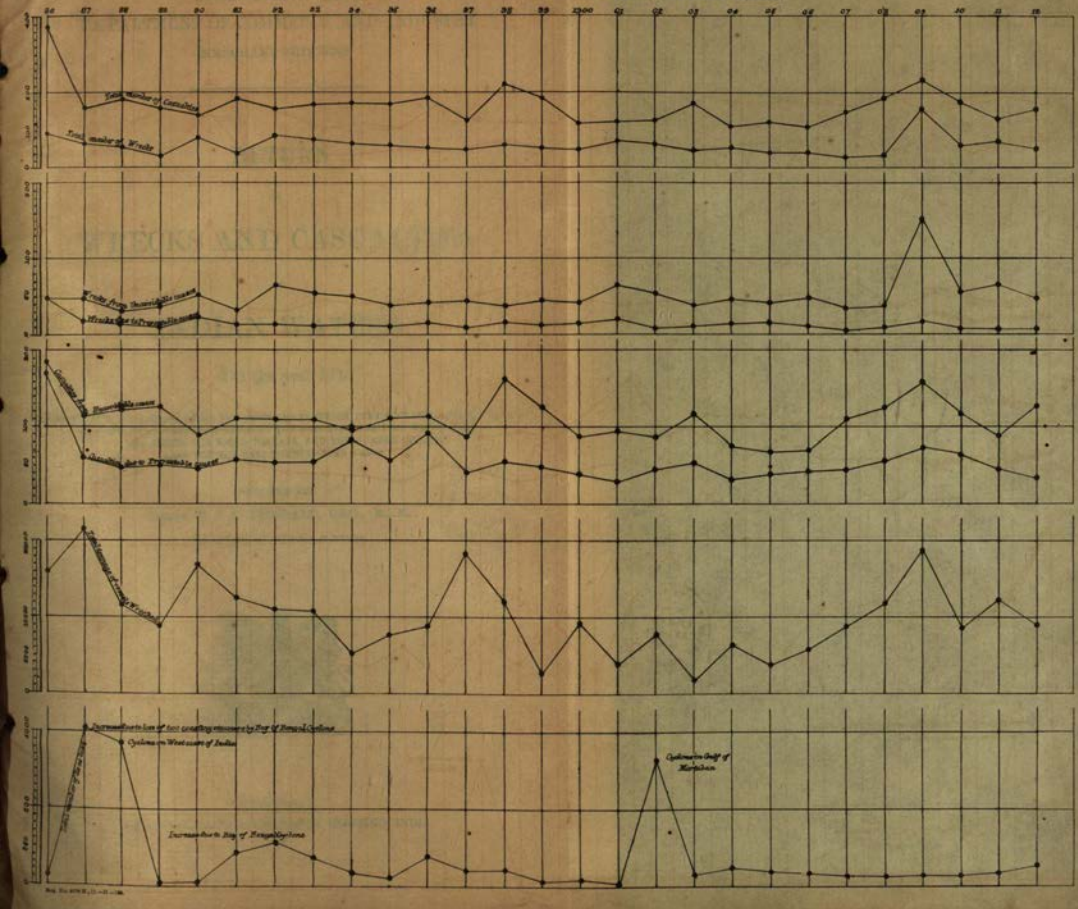

ARABIA
AFRICA
HINDOSTAN
BAY OF BENGAL
WRECK CHART
OF THE
INDIAN OCEAN

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1912 inclusive.


Total number of Casualties
Total number of Wrecks
Wrecks Due to Foreign Vessels
Casualties Due to Foreign Vessels
Total Tonnage of Foreign Wrecks
Increase due to Bay of Bengal Cyclone
Cyclone in West coast of India
Cyclone in Gulf of Martaban

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING.

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1912

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST TWENTY-SEVEN YEARS

PREPARED BY

COMDR. C. J. C. KENDALL, D.S.O., R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1913

REVIEW.

THE reports received during the year 1912 in connection with wrecks and casualties in Indian waters show that the year has been more disastrous in regard to the loss of life than the previous year, although the number of wrecks and the total tonnage lost, are comparatively smaller.

The most lamentable disaster recorded was the foundering of the Irrawaddy Flotilla Company's Creek Steamer *Chinho* near Tantabin, Hlaing river, on the 19th February 1912, at which, so far as can be ascertained, some 100 lives were lost. A Court of Enquiry was held at Rangoon and recorded the opinion that the accident was due to the rolling of the vessel to starboard owing to the porting of the helm and the immediate rush of the passengers to the landwardside, which prevented her from regaining her equilibrium.

Another accident of some account was the explosion of a petrol drum on board the S. S. *Conch* at Syriam, Rangoon river, on the 26th October 1912, which resulted in the loss of 4 lives.

The cyclone that passed over the west coast of India towards the end of November 1912 (raging from the 21st to the 24th November) was responsible for the total loss of 20 British Indian vessels and 2 Native craft, besides the foundering, stranding, etc., of 19 British Indian vessels. The total loss of life recorded on this occasion being no less than 15.

There were 5 wrecks of British vessels, 43 British Indian vessels, and 7 Native craft, or a total of 55 vessels of 9,165 tons (excluding 4 British Indian vessels the tonnage of which could not be ascertained) and the loss of 127 lives.

There were 98 casualties to British and Foreign vessels, 57 British Indian vessels and 9 Native craft, or a total of 164 vessels with the loss of 11 lives.

Among the wrecks there were 5 collisions, 18 founderings, 24 strandings and 8 miscellaneous cases and the casualties consisted of 41 collisions, 9 founderings, 72 strandings and 42 miscellaneous cases.

There were other cases of minor importance which have not been included in this Return.

The wrecks and casualties (aggregating 219) occurred in the following localities:—

79 on the Bombay coast, 48 in the Hughli river, 17 in the Gulf of Cambay, 16 on the Burma coast, 11 on the Malabar coast, 7 on the Sind coast, 6 in the Gulf of Aden, 6 on the Kathiawar coast, 5 on the Ceylon coast, 5 on the Chittagong coast, and the rest in smaller numbers occurred in other localities in Indian waters.

The following analyses show:—(*A*) the causes to which the reported wrecks and casualties are attributed; (*B*) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1912 inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters were due to unavoidable or preventable causes; (*C*) a comparative statement showing the reported number of wrecks and casualties in Indian waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1912 inclusive; (*D*) a tabular statement of the wrecks, and (*E*) a tabular statement of the casualties reported in Indian waters during the year under review, arranged in the order in which they occurred.

A wreck chart of the Indian Ocean; and a diagram showing the reported number of wrecks and casualties in Indian waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1912, are also appended to this Return.

In concluding the review, I acknowledge with thanks the courtesy of the various Marine Authorities and Shipping Firms who furnished me with detailed information relating to the wrecks and casualties herein recorded.

C. J. C. KENDALL, *Comdr., R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1913.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other Causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	2	88	100	1	135	...	2	7,091	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	5	117 (a)	1	13	686	15	19	552 (a)	9	6	206	2
Native craft of all nationalities.												
Sailing	...	...	...	3	105	...	4	185	...	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	5	117	1	18	879	115	24	872	9	8	7,297	2
CASUALTIES.												
British vessels.												
Steam	31	51,877 (b)	...	...	...	...	34	80,851	...	12	35,725	4
Sailing	1	(b) ...	...	...	...	...	1	3,609	...	2	(b)...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	5	84	...	9	112	...	24	965	...	19	181	5
Native craft of all nationalities.												
Sailing	1	16	...	...	...	...	3	96	...	5	246	2
Vessels of Foreign nationalities.												
Steam	3	6,962	...	...	...	...	10	22,986	...	4	12,2[illegible]6	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	41	58,939	...	9	112	...	72	1,08,497	...	42	48,3[illegible]8	11
GRAND TOTAL	46	59,056	1	27	991	115	96	1,09,369	9	50	55,655	13

(a) Not including the tonnage of 4 British Indian vessels not given.
(b) " " " 5 British vessels not given.

B 2

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1912, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	2	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	84	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1912, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1900	169	9,140	34
1887	228	20,022	1,016(*a*)	1901	189	4,980	22
1888	238	11,739 (*b*)	917	1902	183	6,949 (*c*)	831
1889	217	9,629	35	1903	206	1,823 (*d*)	50
1890	214	16,973	22	1904	164	6,095 (*e*)	73
1891	231	12,068	240	1905	147	3,470 (*f*)	86
1892	230	10,410	272	1906	173	5,545 (*g*)	82
1893	223	12,428	170	1907	189	8,602 (*h*)	70
1894	234	5,180	81	1908	225	11,768 (*i*)	55
1895	212	7,982	63	1909	391	18,620 (*j*)	69
1896	243	8,147	168	1910	242	8,280 (*k*)	64
1897	177	18,141	96	1911	202	12,308 (*l*)	74
1898	257	11,979	75	1912	219	9,165(*m*)	138
1899	218	2,728	22				

From the foregoing it will be seen that during the past 27 years, *viz.*, from 1886 to 1912, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 224, the average total tonnage of vessels wrecked 9,984 and the average number of lives lost 183,

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S. S. "Lamport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British Steam Launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.

TABULAR STATEMENT OF THE WRECKS.

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—WRECKS reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	VISHNUPRASAD	British Indian	57	Mangalore	Bombay	January 17th
2	SPONDILUS	British screw steamer.	4,752	Pulo Samboe	London	Do. do.
3	AMRATPRASAD	British Indian	45	Mangalore	Broach	February 1st
4	KUNDSDARI	Do. do.	9	At	Tadri	Do. 6th
5	CHINHO	British twin screw steamer.	29	Rangoon	Hline	Do. 19th
6	DAWAL PRASAD	British Indian	64	Mangalore	Porbunder	Do. 24th
7	MANIKPRASAD	Do. do.	28	Bombay	Jafrabad	March 2nd
8	DHANPRASAD	Do. do.	23	Bhavnagar	Cambay	Do. 6th
9	SWALLOW	British Inland steamer.	135	Ichakhali	Barisal	Do. 23rd
10	MANICKPRASAD	British Indian	34	Dahanu	Bhavnagar	Do. 26th
11	VIJLIPRASAD	Do. do.	41	Do.	Do.	Do. do.
12	ZINNIA	British screw steamer.	2,339	Cardiff	Calcutta and Karachi	Do. 31st
13	SARDARI	British Indian	31	Bombay	Mora and Beypore	April 2nd
14	MIRANSAMADAL	Native craft.	42	Do.	Porbandar	Do. 16th
15	RUPAREL	British Indian	22	Badalpore	Kavi	Do. 18th
16	CARIMSHAI	Do. do.	48	Karachi	Sirgandha	Do. 19th
17	FATHEHAL RAHAMAN	Do. do.	27	Akyab	Maungdaw and Chittagong.	May 15th
18	SALAMATPASSA	Native craft	81	Porbandar	Bombay	Do. do.
19	ILA	British steam launch.	59	Calcutta	Sunderbans	Do. 17th
20	HAWABAI	British Indian	Unknown	Bombay	Alibag	Do. 20th
21	BHAWANI	Do. do.	56	Do.	Malwan	Do. do.
22	PUDARATH	Do. do.	138	Calicut	Aden and Bombay	Do. 23rd
23	YESHWANTY	Do. do.	2	Bombay harbour		June 19th
24	MACHHERI	Do. do.	7	Bhavnagar	Tankari	Do. 23rd
25	MANSOORI	Do. do.	28	Plying within the port limits of Tellicherry.		July 10th
26	SAKHRI SALAMATI	Do. do.	2	Fishing in the sea off Vizadrug		October 3rd
27	MIRAPUR	Native craft	5	Koteshwar	Keti Bundar and Jungle Mull.	Do. 18th

waters during the year 1912.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Mangalore Breakwater entrance.	Malabar coast	Stranding.—Error of the Tindal	All lost	None lost.
Exact spot not reported	Arabian sea	Fire.—Unknown	Do.	Do.
About 2½ miles off Lohara light-house.	Gulf of Cambay	Stranding.—Breaking of the rudder	Do.	Do.
Near Kirhail	Bombay coast	Do. Heavy weather	Partially lost and partially damaged.	Do.
Thabawchoung, Hlaing river	Burma	Foundering.—Error of the passengers	All lost	About 100 lives lost.
Bankot bar	Bombay coast	Stranding.—Heavy weather	Do.	None lost.
South of Manori Bandar	Do. do.	Do. Break down of the rudder	Do.	Do.
Cambay creek	Gulf of Cambay	Do. Accidental	Partially lost and partially damaged.	9 lives lost.
Near Ichakhali	Lower Megna river	Do. Error of the Serang	Partially lost.	None lost.
Near Tapti light-house	Gulf of Cambay	Foundering.—Heavy weather	All lost.	Do.
Do. do.	Do. do.	Capsized.—Heavy weather	Do.	Do.
Cape Comorin	Gulf of Manar	Fire.—Spontaneous combustion	Do.	Do.
Beypore Anchorage	Malabar coast	Foundering.—Sprung a leak	Do.	Do.
Porbandar	Kathiawar do.	Stranding.—Accidental	Partially lost	Do.
¼ of a mile from Kavi	Gulf of Cambay	Do. Tides and currents	All lost	Do.
Seer creek, river Indus	Sind coast	Do. Do.	Partially lost and partially damaged.	Do.
Chittagong port	Chittagong coast	Do. Heavy weather	All lost	Do.
Near Pata	Kathiawar do.	Foundering.—Sprung a leak	Partially lost	Do.
Boallygang	Sunderbans	Do. Error of the Serang and crew.	No cargo	Do.
Bombay harbour entrance	Bombay coast	Collision with the S. S. "*Rijsbergen*". Error of the crew.	All lost	Do.
Off Janjira light, Rajapuri point.	Do. do.	Collision with the S. S. "*Juba*".—Non-exhibition of proper lights.	Do.	1 life lost.
Off Socotra	Arabian sea	Foundering.—Sprung a leak	In ballast	None lost.
Bombay harbour	Bombay coast	Capsized.—Heavy weather	No cargo	Do.
Off Deojugan light	Gulf of Cambay	Stranding.—Heavy weather	All lost	Do.
Tellicherry	Malabar coast	Stranding.—Tides and currents	No cargo	Do.
About 2 miles off Viziadrug	Bombay do.	Capsized.—Out-rigger of the boat not being properly tied.	Partially lost and partially damaged.	Do.
Near Tikio, river Indus	Sind do.	Foundering.—Erosion of the river	In ballast.	Do.

D.—WRECKS reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
28	M. ALLAMULLAI	Native craft	8	Porbandar	Broach	November 1st
29	AUNG CHAN THA	British Indian	67	Tavoy	Rangoon	Do. 9th
30	PEERPUSSA	Native craft	87	Jamnagar	Keti Bundar	Do. 13th
31	GOWAD IGAD	British Indian	54	Balliapattan	Karachi	Do. 21st
32	HIRAPRASAD	Do. do.	17	Jarapur	Kalyan and Daman	Do. do.
33	RUPARELL	Do. do.	86	Baitul	Broach	Do. do.
34	DHANPRASAD	Do. do.	14	Fishing in the sea	off Umbergaon	Do. 22nd
35	LUXUMI	Do. do.	60	Bombay	Cochin	Do. do.
36	DONI LUXUMI	Do. do.	27	Vengurla	Bombay	Do. do.
37	GOOMADAT	Do. do.	44	Bombay	Porbandar	Do. do.
38	DHANPRASAD	Native craft	19	Bhavnagar	Thana	Do. do.
39	MUZEFUR	British Indian	78	Mahi near Calicut	Porbandar	Do. do.
40	FATEH KHER	Do. do.	76	Porbandar	Bombay	Do. do.
41	CHAND	Do. do.	Not given	Bombay	harbour	Do. do.
42	MEHER	Do. do.	47	Do.	do.	Do. do.
43	SALAMÁTI	Do. do.	60	Do.	do.	Do. do.
44	LAXUMI	Do. do.	60	Do.	do.	Do. do.
45	An un-named craft	Do. do.	Not given	Do.	do.	Do. do.
46	SALAMATI	Do. do.	1	Do.	do.	Do. do.
47	ALLI MURAD	Do. do.	80	Do.	do.	Do. do.
48	SHASTI GREECE	Do. do.	14	Do.	do.	Do. do.
49	SANTERIPRASAD	Native craft (Goa)	48	Panjim	Bombay	Do. do.
50	YESHAVANTI	British Indian	9	Shewa	Bankot	Do. do.
51	RATNAGIRI	Do. do.	33	Calicut	Tellicherry and Mahuva.	Do. do.
52	LAXMI	Do. do.	77	Uran	Alleppi	Do. 24th
53	DARYA DAULAT	Do. do.	11	Diu	Kalyan	December 6th
54	RASUL MADATH	Do. do.	34	Bombay	Mulky	Do. 12th
55	THAKURPRASAD	Do. do.	Unknown	Mangalore	Bombay	Do. 14th

waters during the year 1912—*concluded.*

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Jafarabad light-house	Kathiawar coast	Stranding.—Heavy weather	All lost	None lost.
Near Rangoon	Burma do.	Capsized.—Heavy weather	Do.	2 lives lost.
Tursian mouth of the river Indus.	Sind do.	Stranding.—Unknown	In ballast	None lost.
About 20 miles off Dahanu	Bombay coast	Foundering.—Heavy weather	All lost	None lost.
About 20 miles off the coast between Umbergaon and Gholvad.	Do. do.	Do. Do.	No cargo	1 life lost.
Off Zai Bordi	Do. do.	Do. Do.	All lost	4 lives lost.
About 15 miles off Gholvad	Do. do.	Do. Do.	No cargo	4 do.
South of Kennery lighthouse	Do. do.	Do. Do.	All lost	6 do.
Off Kennery lighthouse	Do. do.	Do. Do.	Do.	None lost.
Off Kelva Mahim	Do. do.	Do. Do.	Do.	Do.
Off Gogo harbour light	Gulf of Cambay	Do. Do.	Do.	Do.
Off Alibag port	Bombay coast	Do. Do.	Do.	Do.
Off the coast between Dantivra and Arnalla.	Do. do.	Do. Do.	Do.	Do.
Bombay harbour	Do. do.	Stranding.—Heavy weather	Partially lost	Do.
Do. do.	Do. do.	Do. Do.	No cargo	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Do. do.	Do. do.	Collision with the Sassoon Dock wall. Heavy weather.	All lost	Do.
Do. do.	Do. do.	Collision with the wall of Ballard Pier. Heavy weather.	No cargo	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Do. do	Do. do.	Capsized.—Heavy weather	All lost	Do.
Do. do.	Do. do.	Smashed to pieces.—Heavy weather	No cargo	Do.
Bagmandla	Do. do.	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Near Alibag Fort	Do. do.	Do. Do.	All lost	Do.
Tivere	Do. do.	Do. Do.	Partially damaged.	Do.
Off Azhikal bar	Malabar do.	Foundering.—Heavy weather	All lost	Do.
Mouth of the Bassein creek	Bombay do.	Stranding.—Heavy weather	Partially lost.	Do.
About 5 miles north of Mulky.	Malabar do.	Stranding.—Accidental	All lost	Do.
Off Deobag	Bombay do.	Stranding.—Heavy weather	Do.	Do.

TABULAR STATEMENT OF THE CASUALTIES.

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Liebenfels	German screw steamer.	2,830	Beira	Calcutta and Bremen.	January 8th
2	Bullmouth	British screw steamer.	2,607	Tarakan	Po Somboe and Rangoon.	Do. 18th
3	Khargpur	British paddle steamer.	472	Plying in the Hughli river as ferry steamer.		Do. 29th
4	Jattra	British twin screw steamer.	138	Chandbally	Calcutta	Do. do.
5	Nordfarer	Danish screw steamer.	2,397	Calcutta	Madras	Do. 31st
6	Dawlat Sawai	British Indian	26	Dholera	Dahanu and Surat	February 1st
7	Salamati	Do.	21	Dabhol	Bombay	Do. 2nd
8	Hari Prasad	Do.	32	Dahanu	Do.	Do. do.
9	Katanga	British screw steamer.	2,160	Durban	Calcutta	Do. 4th
10	Mahadeo Prasad	British Indian	90	Cochin	Bombay	Do. 7th
11	Laxumi Prasad	Do.	23	Bombay	Alibag	Do. do.
12	Baron Balfour	British screw steamer.	2,552	Hongkong	Calcutta and Bombay.	Do. 11th
13	Bhadra	British twin screw steamer.	243	Victoria Pt.	Bokpyin and Kammau	Do. do.
14	Sunda	British screw steamer.	2,987	Calcutta	London	Do. do.
15	Onda	Do.	3,410	Do.	Rangoon	Do. do.
16	Sugar Pasa	Native craft.	61	Kana Mangrol	Karachi	Do. 12th
17	Torrington	British screw steamer.	3,619	Pondicherry	Marseilles	Do. 16th
18	Fatehkabr	Native craft	67	Ormara	Karachi	Do. 17th
19	Explorer	British screw steamer.	4,871	Calcutta	Colombo	Do. 21st
20	Patrick Stewart	British tug steamer	736	Karachi	Bombay	Do. 24th
21	Putiala	British screw steamer.	1,929	Bombay	Bushire and Koweit	Do. do.
22	Barotse	Do.	2,619	Colombo	Calcutta and Philadelphia.	Do. 25th
23	Lord Stanley	Do.	3,057	London	Colombo and Calcutta	Do. 28th
24	Wearbeck	Do.	2,447	Calcutta	Bombay	Do. do.
25	Nordfarer	Danish screw steamer.	2,397	Do.	Madras	Do. do.
26	Vijliprasad	British Indian	41	Bombay	Bhavnagar	Do. 29th
27	Sri Astapaddola Venkamma.	Do.	62	Valuvedditurai	Nizampatam and Ipurupalem.	March 1st
28	Palitana	British screw steamer.	1,934	Bombay	Linga and Bahrein	Do. 5th
29	Manickprasad	British Indian	25	Do.	Dholera	Do. 6th
30	Haripprasad	Do.	20	Do.	Do.	Do. do.

waters during the year 1912.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Kidderpore Dock . . .	Hughli river . .	Fire. Unknown	Partially damaged.	None lost.
Below Devil's Hole, Rangoon River.	Burma coast . .	Stranding.—Accidental . . .	None lost .	Do.
Above Upper College Sand buoy.	Hughli river . .	Collision with the S. S. "Jattra."—Error of the Master.	Do. .	Do.
Do. do. . .	Do. do. . .	Collision with the steamer "Khargpur."—Error of the Master of that vessel.	Do. .	Do.
Kidderpore Dock . . .	Do. do. . .	Sprung a leak.—Accidental . .	Partially damaged.	Do.
Mouth of the Dahanu creek .	Bombay coast . .	Stranding.—Tides and currents .	Partially lost.	Do.
Off Korlai Fort . . .	Do. do. . .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Near the mouth of the Dahanu creek.	Do. do. . .	Do. Tides and currents .	Partially damaged . .	Do.
Munikholly Point . . .	Hughli river . .	Do. Accidental . . .	In ballast .	Do.
Cochin bar	Malabar coast . .	Do. Error of the Tindal .	Partially lost.	Do.
1½ miles south of Canary islands.	Bombay do. . .	Foundering.—Sprung a leak . .	No cargo .	Do.
Jarmaker's Reach . . .	Hughli river . .	Stranding.—Accidental . . .	None lost .	Do.
Kesseraing island, Mergui Archipelago.	Burma coast . .	Do. Do. . . .	No cargo .	Do.
Off Munikholly Point.	Hughli river . .	Do. Foggy weather . .	None lost .	Do.
Sankral Bight . . .	Do. do. . .	Do. Vessel's refusal to answer her helm.	Do. .	Do
About 6 miles of Veraval .	Kathiawar coast .	Do. Accidental . . .	Partially lost .	Do.
Off Trincomali . . .	Ceylon coast . .	Fire.—Spontaneous combustion .	Unknown .	Do.
2 miles south of Manora Breakwater.	Sind coast . .	Capsized.—Heavy weather . .	Partially lost and partially damaged.	2 lives lost.
Garden Reach . . .	Hughli river . .	Collision with a cargo boat.—Error of the Tindal of the boat.	None lost .	None lost.
Karachi harbour . . .	Sind coast . .	Do. with the S. S. "Bassano."—Accidental.	Do. . .	Do.
Off Ras-al-Arz . . .	Persian Gulf . .	Stranding.—Error of the Officer on watch.	Do. . .	Do.
Middleton bar . . .	Hughli river . .	Do. Serious deterioration of the Middleton bar.	Do. . .	Do.
Kidderpore Dock . . .	Do. do. . .	Collision with the S. S. "Wearbeck."—Accidental.	Do. . .	Do.
Do. do. . . .	Do. do. . .	Do. with the S. S. "Lord Stanley."—Accidental.	Do. . .	Do.
Pir Serang crossing . .	Do. do. . .	Stranding.—Foggy weather . .	Do. . .	Do.
Near the Bhagwa Sand bar .	Gulf of Cambay .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Ipurupalem	Madras coast . .	Do. Error of the Tindal .	None lost.	Do.
On the Shah Allum shoal .	Persian gulf . .	Do. Vessel being set out of her course.	Do.	Do.
New Whittle Bandar . .	Gulf of Cambay .	Capsized.—Tides and currents .	Partially lost and partially damaged.	Do.
Do. do. . . .	Do. . do. .	Do. Do. . . .	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
31	Dharavi	British Indian	15	Utan	Mora	March 7th
32	Narayenprasad	Do.	6	Kalak Bunder	Bombay	Do. 8th
33	Comeric	British screw steamer.	2,594	Rangoon	Calcutta and Colombo	Do. 9th
34	Laxumiprasad	British Indian	50	Ponani	Bombay	Do. 12th
35	Laxmi	Do.	10	Belapur	Trombay and Thana	Do. 16th
36	Buckland	British paddle steamer.	Not given	Calcutta	Diamond Harbour	Do. 17th
37	Huro	British flat	Do.	Do.	Cachar	Do. do.
38	Dhanprasad	British Indian	14	Dantiora	Bandra	Do. 20th
39	Shirley	British screw steamer.	2,192	Barry	Bombay and Calcutta	Do. do.
40	Tenshin Maru	Japanese screw steamer.	2,973	Kobe	Rangoon and Calcutta	Do. 21st
41	Tenshin Maru	Do.	2,973	Do.	Do. do.	Do. do.
42	Clan Fraser	British screw steamer.	2,285	Liverpool	Calcutta and Colombo	Do. do.
43	Magdala	Swedish screw steamer.	2,108	Delagoa Bay	Rangoon and Port Said	Do. 23rd
44	Mahiprasad	British Indian	23	Bulsar	Pooha Bandar and Bombay.	Do. 24th
45	Dhan Prasad	Native craft	81	Malpe	Bombay	Do. 25th
46	Narayanprasad	British Indian	24	Kernapani	Malwan and Bombay	Do. 28th
47	Manikprasad	Do.	48	Devbag	Malwan	Do. 29th
48	Flamingo	British screw steamer.	2,150	Calcutta	Karachi	Do. 30th
49	Khajurkhadi	British Indian	10	Borlai	Bombay	April 1st
50	Breconian	British screw steamer.	2,577	Calcutta	Madras	Do. 4th
51	Seagull	British steam hopper barge.	497	Kalagouk	Rangoon (Seikgyi)	Do. 6th
52	Afghanistan	British screw steamer.	2,849	Calcutta	London	Do. do.
53	Mohamaiprasad	British Indian	22	Kundapur	Betul	Do. 7th
54	Nurjehan	British twin screw steamer.	118	Employed by the Port Commissioners, Calcutta.		Do. do.
55	Dalby	British screw steamer.	2,353	Torrevieja	Colombo and Calcutta	Do. 9th
56	Angora	Do.	1,926	Calcutta	Rangoon	Do. do.
57	Srang Bee	British twin screw steamer.	3,784	Penang	Do.	Do. do.
58	Survia	German screw steamer.	2,381	Colombo	Not reported	Do. 10th
59	Iteia	British screw steamer.	3,420	Tuticorin	Colombo and Calcutta	Do. do.
60	Musician	Do.	3,047	Liverpool	Do. do.	Do. do.

waters during the year 1912—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Opposite the Mora pier	Bombay coast	Damage to vessel.—Heavy weather	All lost.	None lost.
Off Dahanu creek	Do. do.	Capsized.—Heavy weather	Do	Do.
Bellari bar	Hughli river	Stranding.—Hazy weather	None lost	Do.
Near Malwan harbour	Bombay coast	Stranding.—Tides and currents	Do.	Do.
Chendni Bunder	Do. do.	Sprung a leak.—Heavy weather	Partially lost	Do.
Abreast of the Chingri Khal Fort.	Hughli river	Collision with the flat "*Huro*" in tow of the steamer "*Umsong.*"—Error of the Serang of "*Umsong*".	No cargo	Do.
Do. do.	Do. do.	Do. with the steamer "*Buckland*".—Error of the Serang of the steamer "*Umsong*".	None lost	Do.
Dantiora	Bombay coast	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Fulta Reach	Hughli river	Stranding.—Parting of the port steering chain.	Water ballast	Do.
Hughli Point	Do. do.	Stranding.—Tides and currents	None lost	Do.
Fulta Point	Do. do.	Do. Do.	Do.	Do.
Chittagong	Chittagong coast	Fire—Unknown	Partially damaged.	Do.
Rangoon harbour	Burma coast	Do. Do.	Do.	Do.
Umersadi Bandar	Gulf of Cambay	Stranding.—Accidental	Do.	Do.
Malpe	Malabar coast	Sprung a leak.—Accidental	All lost	Do.
Off Vetye	Bombay do.	Collision with the steamer "*Rajapuri.*"—Non-exhibition of lights from the vessel.	None lost	Do.
2 miles off Karli creek	Do. do.	Stranding.—Heavy weather	Partially lost	Do.
Fulta Reach	Hughli river	Stranding.—Accidental	None lost	Do.
2 miles off Kennery island	Bombay coast	Foundering.—Struck against a broken and submerged fishing stake	All lost	Do.
Off Pulicat shoal	Coromandel coast	Stranding.—Tides and currents	None lost	Do.
Ahlone sands, Rangoon river	Burma do.	Stranding.—Vessel's refusal to answer her helm.	Do.	Do.
Near Pulicat shoal	Coromandel do.	Stranding.—Tides and currents	Do.	Do.
Off Belikeri	Bombay do.	Sprung a leak.—Accidental	Partially lost	Do.
Off Chandpal Ghat	Hughli river	Collision with the S. L. "*Nancy*".—Error of the Serang.	No cargo	Do.
Munikholi sand	Do. do.	Stranding.—Heavy weather	None lost	Do.
Mouth of the Rangoon river	Burma coast	Collision with the S. S. "*Seang Bee*".—Error of the Master.	Do.	Do.
Do do.	Do. do.	Do. with the S. S. "*Angora*".—Error of the Master of that vessel.	Do.	Do.
Colombo harbour	Ceylon do.	Do. with the S. S. "*Itria*" and "*Musician*".—Accidental.	Not reported	Do.
Do. do.	Do. do.	Do. with the S. S. "*Suevia*".—Accidental.	None lost	Do.
Do. do.	Do. do.	Do. do. Do.	Do.	Do.

E.—CASUALTIES reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
61	RUPAREL	Native craft	26	Billimora	Salaya	April 12th
62	KISTNA	British screw steamer.	524	Calcutta	Sandoway and Rangoon.	Do. 13th
63	NARAYEN PRASAD	British Indian	10	Tarapur	Bombay	Do. 14th
64	SAKHARI SALAMATI	Do. do.	23	Bombay	Mora	Do. 15th
65	DUNGI HAIDERI	Native craft	49	Do.	Jamboe	Do. 16th
66	W. T. APPLETON	Dutch screw steamer.	2,029	Rotterdam	Suez and Melbourne	Do. 19th
67	SABBIA	Austrian screw steamer.	1,737	Moulmein	Port Said	Do. 28th
68	LAXMI	British Indian	23	Kalyan	Bombay	Do. 30th
69	DARYA DOWLAT	Do. do.	10	Honawar	Kumta	May 6th
70	MOSHTARI	Do. screw steamer.	1,100	Jeddah	Aden	Do. 10th
71	ARABIA	British steam barge.	Not given	Tanbyagyaung	Bassein	Do. 14th
72	ISTRIA	Austrian screw steamer.	1,735	Moulmein	Port Said	Do. 16th
73	LAXMI	British Indian	9	Arnalla	Kalyan	Do. 19th
74	RIJSBERGEN	Dutch screw steamer.	2,305	Antwerp	Port Said and Bombay.	Do. 20th
75	JUBA	British screw steamer.	134	Panjim	Jaigad and Bombay	Do. do.
76	MASHONA	Do. do.	2,665	Busreh	Hormuz and London	Do. 23rd
77	FRAMLINGTON COURT	Do. do.	2,592	Calcutta	Bombay	Do. 25th
78	APOLLO	Do. do.	2,443	Albany	Colombo and Port Said.	Do. 26th
79	NURJEHAN	British twin screw steamer.	118	Employed by the Port Commissioners, Calcutta.		June 5th
80	FRAMLINGTON COURT	British screw steamer.	2,592	Calcutta	Bombay	Do. do.
81	CITY OF PARIS	Do. do.	5,915	Glasgow	Suez and Bombay	Do. 8th
82	ELLENGA	British twin screw steamer.	2,558	Singapore	Penang and Rangoon	Do. 11th
83	UMTA	British screw steamer.	3,492	Calcutta	Calicut and Bombay	Do. 12th
84	HIMALAYA	French screw steamer.	3,564	Shanghai	Colombo and Suez	Do. 27th
85	BAYANGARI	British Indian	3	Jungle near Ketti.	Raphote	Do. 28th
86	SYRIAM	Do. screw steamer.	891	Rangoon	Calcutta	July 1st
87	ROMERA	Do. do.	3,189	Bunbury	Do.	Do. do.
88	MOIDEEN ABDUL KADER NASARULLA THYCA.	British Indian	130	Kaits	Velvettithurai and Cocanada.	Do. 13th
89	LORD DUFFERIN	Do. screw steamer.	3,007	Barry	Port Said and Djiboati.	Do. 15th
90	ORISSA	Do. do.	3,525	Calcutta	Bombay	Do. 16th

waters during the year 1912—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Veraval . . .	Kathiawar coast .	Stranding.—Tides and currents .	Partially lost and partially damaged.	None lost.
Rangoon harbour . .	Burma do. .	Collision with cargo boat No. 118.—Error of the Tindal of the boat.	None lost .	Do.
8 miles off Tarapur . .	Bombay do. .	Capsized—Heavy weather . .	Partially lost and partially damaged.	Do.
Mora	Do. do. .	Stranding.—Accidental . . .	All lost .	Do.
Sutrapada . . .	Kathiawar do. .	Sprung a leak.—Heavy weather .	None lost .	Do.
Off Ras Fukem . . .	Gulf of Aden .	Stranding.—Error of the Chief Officer	Not reported .	Do.
Moulmein . . .	Burma coast .	Stranding.—Bad steaming propensities of the vessel.	None lost .	Do.
Chemdni Bandar . . .	Bombay do. .	Stranding—Heavy weather . .	All lost .	Do.
Honawar bar . . .	Do. do. .	Capsized.—Tides and currents . .	Do. .	Do.
Aden harbour . . .	Gulf of Aden .	Stranding.—Accidental . .	None lost .	Do.
About a mile off Shwelaung .	Burma .	Collision with the S. L. "*Mungo*".—Not reported.	All lost .	Do.
Moulmein	Burma coast .	Stranding.—Unavoidable . .	None lost .	Do.
On the bar opposite to Pos Pir island.	Bombay do. .	Stranding—Heavy weather . .	All lost .	Do.
Bombay harbour entrance .	Do. do. .	Collision with Muchwa "*Hawabai*".—Error of the crew of that vessel.	Water ballast .	Do.
Off Janjira light.—Rajapuri point.	Do. do. .	Collision with the Pattimar "*Bhawani.*"—Non-exhibition of proper lights from that vessel.	No cargo .	Do.
Hormuz island . . .	Persian Gulf .	Stranding.—Unavoidable . .	None lost .	Do.
On her voyage to Bombay .	Bombay coast .	Fire.—Spontaneous combustion .	Do. .	Do.
Colombo Breakwater .	Ceylon do. .	Damage to vessel.—Running into Break-water through failure of steering gear.	Do. .	Do.
Off Chandpal Ghat . .	Hughli river .	Collision with the S. L. "*Argus.*"—Error of the Serang.	No cargo .	Do.
Bombay harbour . .	Bombay coast .	Fire.—Spontaneous combustion. .	None lost .	Do.
Do. do. . .	Do. do. .	Collision with the Victoria Dock wall.—Error of the 2nd Engineer.	Do. .	Do.
Rangoon harbour . .	Burma do. .	Collision with cargo boat No. 69.—Error of the Tindal of the boat.	Do. .	Do.
Tellicherry Anchorage . .	Malabar do. .	Damage to Machinery.—Unavoidable	Do. .	Do.
Aden harbour . . .	Gulf of Aden .	Stranding.—Tides and currents .	Do. .	Do.
Near Ketti . . .	Sind coast .	Capsized.—Accidental . . .	Do. .	1 life lost.
Below Nurpur Flat buoy .	Hughli river .	Stranding.—Vessel's sudden sheering against her helm.	Do. .	None lost.
Hughli Point . . .	Do. do. .	Stranding.—Tides and currents . .	Do. .	Do.
Off False Point, Divi. .	Coromandel coast .	Stranding.—Heavy weather .	Do. .	Do.
Chiltern shoal . . .	Red sea . .	Stranding.—Hazy weather .	Partially lost and partially damaged.	Do.
Munikholi Sand . . .	Hughli river . .	Stranding.—Tides and currents .	None lost .	Do.

E—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
91	Naderi	British screw steamer.	1,169	Busreh	Bushire and Jedda	July 23rd
92	Brilliant	Do. sailing Barque.	3,609	Philadelphia	Calcutta	Do. 25th
93	Fatehkhair	Do. Indian	9	Keti Bunder	Gizri and Karachi	Do. 27th
94	Cargo boat No. 97	Do. do.	15	Plying in the Palk strait		Do. 29th
95	Arvonian	Do. screw steamer.	1,784	Calcutta	Mandapam	Do. do.
96	Cargo boat No. 145	Do. Indian	26	Negapatam	Do.	Do. do.
97	Glenbsk	Do. screw steamer.	2,275	Colombo	London and Antwerp	August 4th
98	Syriam	Do. twin screw steamer.	204	Rangoon	Maubin and Bassein	Do. 10th
99	Naikban	Do. do.	204	Do.	Do. do.	Do. do.
100	Beme	Do. screw steamer.	1,899	Do.	Calcutta	Do. 13th
101	Salsette	Do. twin screw steamer.	2,392	Bombay	Aden	Do. 17th
102	Dewan	Do. steam tug	6	Bombay harbour		Do. do.
103	Nairung	Do. twin screw steamer.	2,862	Calcutta	Cochin and Bombay	Do. 27th
104	Arankola	Do. do.	1,725	Do.	Rangoon	September 1st
105	Peelak	Do. screw steamer.	1,103	Rotterdam	Do. and Chittagong.	Do. 9th
106	Waroonga	Do. do.	1,609	Calcutta	Do.	Do. 11th
107	Bengalen	Dutch screw steamer.	1,661	Cheribon	Do. and Calcutta	Do. 12th
108	Luxuni	British Indian	5	Mora	Trombay and Shewa	Do. 13th
109	Elax	Do. screw steamer.	2,571	Rangoon	Calcutta	Do. 14th
110	Manipur	Do. do.	4,028	Liverpool	Suez and Calcutta	Do. 19th
111	Borneo	Do. do.	2,944	Calcutta	London	Do. 29th
112	Balyaw Nawlakhi	Do. Indian	4	Bombay	Mandwa	October 3rd
113	Linga	Do. screw steamer.	951	Do.	Karachi	Do. 4th
114	Shiwrampresad	Do. Indian	14	Do.	Bhiwandi	Do. 13th
115	Canadian Transport	Do. screw steamer.	2,654	Cardiff	Calcutta and Bombay.	Do. 14th
116	Blake	Do. do.	2,396	Calcutta	Negapatam	Do. 18th
117	Vihoo Prasad	Do. Indian	42	Balsar	Bombay and Monumbum.	Do. 24th
118	Conch	Do. screw steamer.	3,512	Cardiff	Calcutta and Syriam.	Do. 26th
119	Star of Australia	Do. do.	3,985	London	Sydney and Dunkirk.	Do. 28th
120	Austria	Austrian screw steamer.	4,871	Calcutta	Colombo	Do. 31st

waters during the year 1912—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 15° 20′ N., long. 54° 35′ E.	Arabian sea	Breaking of the rudder.—Heavy weather.	Partially lost	None lost.
Gaspar Sand	Hughli river	Stranding.—Error of the Leadsman	None lost	Do.
Mouth of the river Indus	Sind coast	Sprung a leak.—Accidental	Partially damaged.	Do.
Palk strait	Palk Strait	Foundering.—Heavy rolling of the boat.	All lost	Do.
Mandapam	Do. do.	Collision with cargo boat No. 145.—Carelessness both on the part of S. S. "*Arvonian*" and of boat's crew.	None lost	Do.
Do.	Do. do.	Do. with the S. S. "*Arvonian*."—Carelessness both on the part of S. S. "*Arvonian*" and of boat's crew.	All lost	Do.
Lat. 12° 27′ N., long. 46° 30′ E.	Gulf of Aden	Fire.—Spontaneous combustion	Cargo damaged	Do.
2 miles east of Shoogloung	Burma	Collision with the S. S. "*Naikban*."—Error of the Master.	None lost	Do.
Do. do.	Do.	Do. with the S. S. "*Syriam*."—Error of the Master of that vessel.	Do.	Do.
Fulta Point	Hughli river	Stranding.—Tides and currents	Do.	Do.
Bombay harbour	Bombay coast	Collision with the S. T. "*Dewan*."—Unavoidable.	Do.	Do.
Do. do.	Do. do.	Do. with the S. S. "*Salsette*."—Unavoidable.	No cargo	Do.
Calicut Roads	Malabar do.	Stranding.—Tides and currents	None lost	Do.
Abreast of Mukraputty buoy.	Hughli river	Do. Deterioration of channel.	Do.	Do.
Chittagong river	Chittagong coast	Do. Error of the Quarter-Master.	Do.	Do.
Hog river obelisk	Hughli river	Do. Failure of the vessel's hydraulic steering gear.	Do.	Do.
Fulta Point	Do. do.	Do. Vessel taking a heavy run to starboard.	Do.	Do.
Off the port limits of Trombay.	Bombay coast	Capsized.—Heavy weather	No cargo	1 life lost.
Hughli Point	Hughli river	Stranding.—Vessel taking a sheer and being unable to recover.	Partially lost	None lost.
Upper Budge Budge Anchorage.	Do. do.	Do. Violent changes in the bank.	None lost	Do.
Kidderpore Dock	Do. do.	Collision with the Kidderpore Dock wall and the Swing Bridge.—No finding arrived at by the Court.	Not reported	Do.
Mandwa	Bombay coast	Heeled right over.—Heavy weather	No cargo	3 lives lost.
Bombay harbour	Do. do.	Collision with the Victoria Dock wall.—Unknown.	None lost	None lost.
Kalva	Do. do.	Do. with the Kalva bridge.—Tides and currents.	Partially lost and partially damaged.	Do.
Moyapur bar	Hughli river	Stranding.—Error of the Pilot	None lost	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Off Mora	Bombay coast	Do. Accidental	All lost	Do.
Syriam, Rangoon river	Burma do.	Explosion of petrol gas.—Unknown	None lost	4 lives lost.
Lat. 8° 56′ N., long. 54° 42′ E.	Arabian sea	Tail shaft and stern tube broken.—Unavoidable.	Do.	None lost.
Exact spot not reported	Bay of Bengal	Damage to vessel.—Heavy weather	Partially lost and partially damaged.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
121	Bhavaniprasad	British Indian	42	Goa	Broach	October 31st
122	Curlew	Do. twin screw steamer.	310	Chandballi	Calcutta	November 1st
123	Zillah	Do. screw steamer.	2,412	Tyne	Aden and Calcutta	Do. do.
124	S. Aleisco	Native craft (Goa)	16	Goa	Dabhol	Do. 6th
125	Rameshwari	British Indian	2	Majali		Do. 7th
126	Heim	Norwegian screw steamer.	757	Bangkok	Madras and Calcutta	Do. 9th
127	Waroo	British Indian	18	Gowalkote	Dabhol	Do. 19th
128	Breconian	Do. screw steamer.	2,577	Cardiff	Calcutta and Bombay	Do. do.
129	Sakei Salamati	Do. Indian	10	Trombay	Bombay	Do. 21st
130	Nagpanchami	Do. do.	6	Do.	Do.	Do. do.
131	Dolutpasa	Do. do.	58	Bassorah	Broach	Do. do.
132	Haripasa	Do. do.	46	Do.	Dwarka and Broach	Do. do.
133	Daeya Bahadur	Do. do.	12	Kalyan	Bombay	Do. do.
134	Ramban	Do. do.	10	Balapur	Trombay and Thana	Do. 22nd
135	Shri Ramprasad	Do. do.	14	Bombay	Bhiwandi	Do. do.
136	Mahagiri Bhagawati	Do. do.	10	Belapur	Bombay	Do. do.
137	Gowri	Do. do.	10	Devgad	Mahul	Do. do.
138	Chandraban	Do. do.	8	Fishing in the sea off Arnalla		Do. do.
139	Laxmi	Do. do.	3	Do. do.	off Banda	Do. do.
140	Laxmi	Do. do.	4	Do. do.	off Bombay Mahim.	Do. do.
141	Chendani	Do. do.	2	Do. do.	off Bandra	Do. do.
142	Bhavani	Do. do.	4	Do. do.	off Warli	Do. do.
143	Kalkadevi	Do. do.	3	Do. do.	off Bandra	Do. do.
144	Pirmadat	Do. do.	44	Bombay	Porbandar	Do. do.
145	Rupabell	Do. do.	27	Do.	Bhavnagar	Do. do.
146	Ramprasad	Do. do.	12	Fishing in the sea off Kelva		Do. do.
147	Daria Dowlet	Do. do.	36	Kottakal	Calicut and Bhavnagar.	Do. 23rd
148	Naranprasad	Native craft	26	Badalpur	Bhavnagar	Do. 25th

waters during the year 1912—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Narbudda river . . .	Gulf of Cambay .	Stranding.—Unknown . . .	Partially lost .	None lost.
Off Esplanade Moorings, Calcutta.	Hughli river . .	Collision with the S. S. "*Zillah*".—Heavy weather.	No cargo .	Do.
Do. do. .	Do. do. . .	Do. with the S. S. "*Curlew*".—Heavy weather.	Do. . .	Do.
Off Mumbri . . .	Bombay coast . .	Do. with another vessel.—Unknown.	None lost .	Do.
West of Anjidiv islands .	Do. do. . .	Do. with the S. S. "*Satranji*".—Absence of light on the vessel.	No cargo .	Do.
Fulta Point	Hughli river . .	Stranding.—Tides and currents .	None lost	Do.
Dabhol creek . . .	Bombay coast . .	Collision with the S. L. "*Gharapuri*".—Error of the Tindal.	Partially lost and partially damaged.	Do.
Nurpur Beach . . .	Hughli river . .	Stranding.—Error of the Pilot . .	None lost .	Do.
Off Trombay Wharf . .	Bombay coast . .	Capsized.—Heavy weather . . .	All lost .	Do.
Do. do. . .	Do. do. . .	Do. Do. . .	Do. .	Do.
Near Ratigadh rock . .	Gulf of Cambay .	Stranding.—Heavy weather . .	Partially lost and partially damaged.	Do.
Near Mathawada . . .	Do. do. . .	Do. Do. . .	Do. .	Do.
Between Kalyan and Bombay.	Bombay coast . .	Foundering—Heavy weather . .	Partially damaged.	Do.
Near Chendani Bundar . .	Do. do. .	Do. Do. . .	All lost .	Do.
Near the mouth of Bhandup creek.	Do. do. .	Do. Do. . .	Do. .	Do.
Off Karawa	Do. do. .	Do. Do. . .	Do. .	Do.
Alibag port	Do. do. .	Do. Do. . .	Do. .	Do.
About 16 miles off Arnalla fort	Do. do. .	Do. Do. . .	Do. .	Do.
Off Bombay	Do. do. .	Capsized.—Heavy weather . .	No cargo .	Do.
Off Mahim (Bombay) . .	Do. do. .	Do. Do. . .	Do. .	Do.
Off Bombay . . .	Do. do. .	Do. Do. . .	Do. .	Do.
Do. do.	Do. do. .	Do. Do. . .	Do. .	Do.
Off Manori Bandar . .	Do. do. .	Do. Do. . .	Do .	Do.
Off Mahim	Do. do. .	Stranding.— Do. .	Partially lost .	Do.
Off the mouth of Dahanu creek.	Do. do. .	Do. Do . .	Partially lost and partially damaged.	Do.
Off Usarni	Do. do. .	Do. Do. . .	No cargo .	Do.
Kottakal bar . . .	Malabar do. .	Do. Do. . .	Partially lost .	Do.
Near Kavi	Gulf of Cambay .	Damage to vessel.—Tides and currents.	All lost .	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
149	Laxmiprasad	British Indian	14	Tarapur	Dahanu and Surat	November 26th
150	Ruparel	Native craft	23	Badalpur	Bhavnagar	December 4th
151	Hydross	British Indian	42	Mangalore	Cochin	Do. 8th
152	City of Poona	British twin screw steamer.	4,779	Liverpool	Colombo and Calcutta	Do. do.
153	Pagenturm	German screw steamer.	3,160	Hamburg	Calcutta and New York.	Do. 9th
154	Jamnaprasad	Native craft	9	Kavi	Bhavnagar	Do. 13th
155	Colaroon	British flat	Not given.	Kallygunje	Calcutta	Do. 16th
156	Jattrapur	Do.	Do.	Calcutta	Behra	Do. do.
157	Oolobaria	British screw steamer.	3,437	Do.	Karachi	Do. 20th
158	Inventor	Do.	4,917	Liverpool	Calcutta	Do. 21st
159	Clan Maclean	Do.	2,952	Glasgow	Point de Galle and Chittagong.	Do. do.
160	Reidar	Norwegian screw steamer.	2,276	Tuticorin	Calcutta	Do. 22nd
161	Kirkfield	British screw steamer.	3,060	Salif	Do.	Do. 27th
162	Kapurthala	Do.	721	Calcutta	Chittagong and Akyab.	Do. 29th
*163	Islami	Do.	1,605	Bombay	Perim and Aden	Do. 3rd
*164	Africa	Do.	162	Aden	Hodeidah	Do. do.

* Received later.

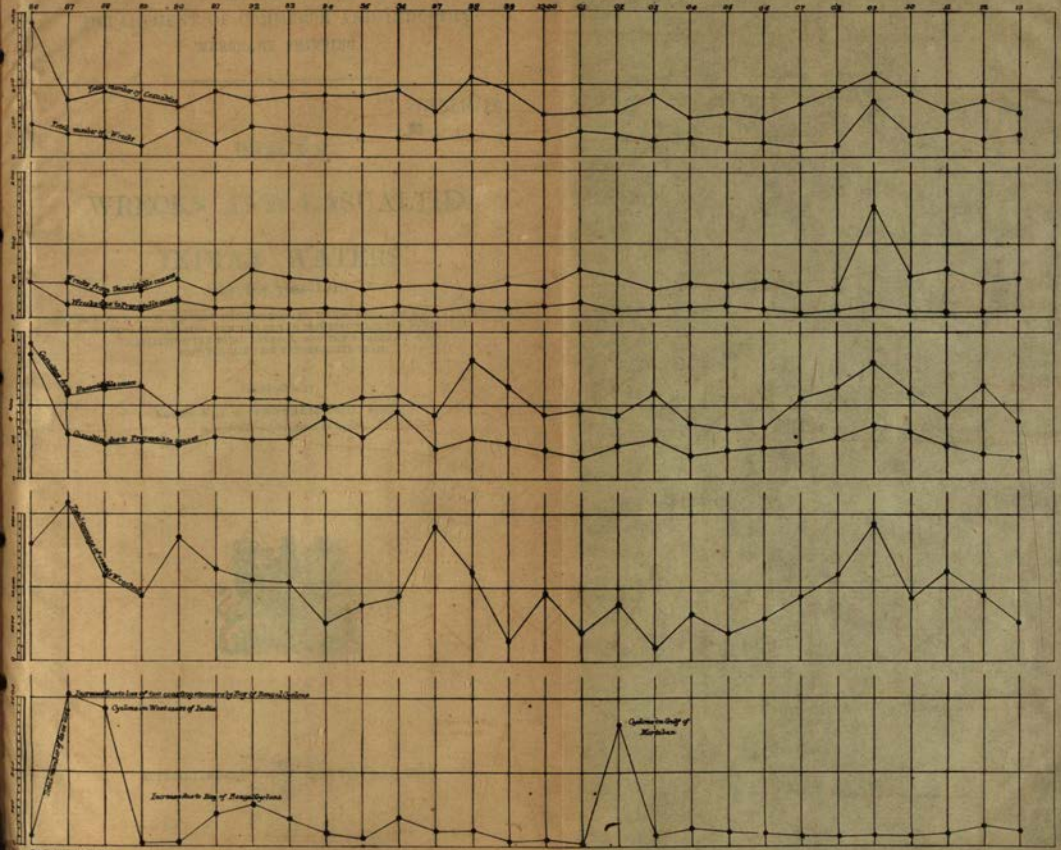
waters during the year 1912—*concluded.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Dahanu . . .	Bombay coast .	Stranding.—Heavy weather . .	Partially lost and partially damaged.	None lost.
Near the Custom House at Kavi.	Gulf of Cambay .	Capsized.—Tides and currents .	Partially lost .	Do.
Cochin	Malabar coast .	Stranding.—Error of the Tindal .	Partially lost and partially damaged.	Do.
Calcutta	Hughli river . .	Fire.—Spontaneous combustion .	Do. do.	Do.
Moyapur bar . . .	Do. do. . .	Stranding.—Sluggishness of the vessel on her starboard helm.	None lost .	Do.
Near the Custom House at Dehgam.	Gulf of Cambay .	Stranding.—Tides and currents .	Partially lost and partially damaged.	Do.
Nimtolla Ghat, Calcutta .	Hughli river . .	Fire.—Unknown	Do. .	Do.
Do. do. . .	Do. do. .	Do. Do.	Do. .	Do.
Munikholi Sand . . .	Do. do. .	Stranding.—Foggy weather . .	None lost .	Do.
Off No. 4 Jetty, Calcutta .	Do. do. .	Collision with the cargo boat No. 17. —Unavoidable.	Do. .	Do.
Chittagong	Chittagong coast .	Fire.—Unknown	Partially damaged.	Do.
Near Muttiabruz moorings .	Hughli river . .	Collision with the S. L. "*Aileen.*"—Error of the Serang of the launch.	None lost .	Do.
Gabtola channel . . .	Do. do. . .	Stranding.—Existence of a lump .	Do. .	Do.
Chittagong river . . .	Chittagong coast .	Collision with No. D buoy.—Error of the Master.	Do. .	Do.
Lat. 12° 32′ N., long. 44° 15′ E.	Gulf of Aden . .	Collision with the S. S. "*Africa.*"—Not reported.	Do. .	Do.
Do. do. .	Do. . .	Do. with the S. S. "*Islami*" . Do.	Do. .	Do.

SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET
CALCUTTA

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1913 inclusive.


Total Number of Casualties
Total number of Wrecks
Wrecks Foreign Steam vessels
Wrecks Foreign Sailing vessels
Casualties to Steamers
Casualties to Foreign Sailing vessels
Total Tonnage of Foreign Wrecks
Cyclone in Bay of Bengal
Cyclone on West coast of India
Increase due to Bay of Bengal Cyclones
Cyclone in Gulf of Martaban

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING.

PRESENTED
BY

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1913

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST TWENTY-EIGHT YEARS

PREPARED BY

COMDR. C. J. C. KENDALL, D.S.O., R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
1914

REVIEW.

THE Statistics of the year 1913 shew gratifying results for, although the number of wrecks has exceeded that of the previous year by 4, there has been an appreciable reduction in the tonnage and number of lives lost.

The number of lives lost was 98, as against 138 in 1912, and the total tonnage lost, in comparison with the previous five years, is as follows :—

5,518 in 1913 as against 11,768, 18,620, 8,280, 12,308 and 9,165 in 1908, 1909, 1910, 1911 and 1912 respectively.

A great disaster occurred near Onbinzeik, Attaran river, on the 21st January 1913 when the S. L. "Aungzeya" on a voyage from Winyaw Seikkyi to Moulmein, with about 87 passengers and a crew of 12 hands, capsized and sank with all her cargo, and about 52 persons were drowned, only 37 dead bodies however were recovered. The finding of the Court of Enquiry shewed that the loss of the vessel was due to a sudden rush of passengers to one side of the Upper deck, and by the stowage of heavy cargo on the Lower deck.

A calamity occurred amongst British Indian vessels. The "Mombai Salamat," whilst on a voyage from Dandi to Gogo, Gulf of Cambay, with 27 passengers and a crew of 7 hands, was caught in a storm and capsized on the 27th July 1913 near Kantiajel in the District of Broach. The vessel was totally lost and 31 lives were lost.

The outbreak of fire on board the S.S. "Twingone" laden with Kerosine oil, bulk petrol and lubricating oil on the 4th November 1913 in the Tuticorin roadstead, Gulf of Manar, was the cause of seven persons, out of 53 on board at the time, being lost. The fire originated from a lighter loaded with petrol drums lying alongside.

Another event of some importance was the fire on board the S.S. "Jattra" whilst on a voyage from Chandballi to Calcutta, with a crew of 41 hands, 314 native passengers and a cargo of jute.

The fire was discovered at Fisherman's Point, Hughli river, on the 28th November 1913, and the vessel was placed alongside the bank at Seesabaria to discharge her passengers and stores; whilst this was in progress, one of the domestics, assisting in this work, fell overboard and was drowned. An enquiry shewed that the fire was due to spontaneous combustion.

Altogether the number of reported wrecks were 59 and casualties 110, aggregating 169 during the year.

The wrecks consisted of 2 collisions, 13 founderings, 34 strandings and 10 miscellaneous cases.

The casualties comprised 22 collisions, 2 founderings, 65 strandings and 21 miscellaneous cases.

Of the wrecks, there were 5 British and 44 British Indian vessels and 10 native craft. Of the casualties, 64 British, 5 Foreign and 39 British Indian vessels and 2 native craft.

In a total of 59 wrecks, 84 lives were lost. 110 casualties accounted for 14 lives.

There were certain other minor cases reported, which were not of sufficient importance to be embodied in this Return.

The table "General Localities," in which these wrecks and casualties occurred, is as follows:—

Five on the Sind coast, 15 on the Kathiawar coast and in the Gulf of Cambay, 54 on the Bombay coast, 13 on the Malabar coast, 8 in the Gulf of

Manar and Palk Strait, 6 on the Ceylon coast, 5 on the Coromandel coast, 21 in the Hughli river, 5 on the Chittagong coast, 19 on the Burma coast and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses shew:— (*A*) the causes to which the reported wrecks and casualties are attributed; (*B*) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1913, inclusive, shewing respectively in the cases of British and Foreign vessels, British Indian vessels and native craft, whether the disasters were due to unavoidable or preventable causes; (*C*) a comparative statement shewing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1913, inclusive; (*D*) a tabular statement of the wrecks and (*E*) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in the order in which they occurred.

A wreck chart of the Indian Ocean, and a diagram shewing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1913, are also appended to this Return.

I have pleasure in acknowledging the assistance and co-operation of the various Marine Authorities and Shipping Firms in supplying me with particulars of the wrecks and casualties necessary for this Return.

C. J. C. KENDALL, *Comdr., R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1914.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other Causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	2	86	52	2	2,426	...	...	...	...
Sailing	...	...	...	...	...	...	1	...(a)	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	103	...	8	420 (b)	...	28	1,451 (c)	...	6	172	32
Native craft of all nationalities.												
Sailing	...	...	...	3	333	...	3	216	...	4	311	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	2	103	...	13	839	52	34	4,093	...	10	483	32
CASUALTIES.												
British vessels.												
Steam	18	34,733	...	...	...	...	34	73,751	...	11	21,936	8
Sailing	1	301	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	3	80	...	2	18	...	25	798	...	9	324	6
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	2	72	...	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	4	11,130	...	1	4,672	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	22	35,114	...	2	18	...	65	85,751	...	21	26,932	14
GRAND TOTAL	24	35,217	...	15	857	52	99	89,844	...	31	27,415	46

(a) Not including the tonnage of 1 British flat not given.
(b) " " " " " 2 British Indian vessels not given.
(c) " " " " " 1 " " vessel " "

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1913, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886 . . .	4	10	34	21	11	12	91	129	130	37	31	16	8	351
1887 . . .	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888 . . .	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889 . . .	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890 . . .	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891 . . .	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892 . . .	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893 . . .	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894 . . .	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895 . . .	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896 . . .	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897 . . .	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898 . . .	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899 . . .	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900 . . .	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901 . . .	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902 . . .	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903 . . .	...	...	27	5	10	1	43	16	41	84	7	13	2	163
1904 . . .	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905 . . .	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906 . . .	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907 . . .	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908 . . .	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909 . . .	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910 . . .	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911 . . .	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912 . . .	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913 . . .	3	2	39	5	10	...	59	44	25	33	6	2	...	110

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1913, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1900	169	9,140	34
1887	228	20,022	1,016 (*a*)	1901	189	4,980	22
1888	238	11,739 (*b*)	917	1902	183	6,949 (*c*)	831
1889	217	9,629	35	1903	206	1,823 (*d*)	50
1890	214	16,973	22	1904	164	6,095 (*e*)	73
1891	231	12,068	240	1905	147	3,470 (*f*)	86
1892	230	10,410	272	1906	172	5,545 (*g*)	82
1893	223	12,428	170	1907	189	8,602 (*h*)	20
1894	234	5,180	81	1908	225	11,768 (*i*)	55
1895	212	7,982	63	1909	391	18,620 (*j*)	69
1896	213	8,147	168	1910	242	8,280 (*k*)	64
1897	177	18,141	96	1911	202	12,308 (*l*)	74
1898	257	11,979	75	1912	219	9,165 (*m*)	138
1899	218	2,728	22	1913	169	5,518 (*n*)	68

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S. S. "Lamport"
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British Steam Launch, three *British Indian* vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vesselsnot given.
(*m*) Not including the tonnage of four British In dian vesselsnot not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.

From the foregoing it will be seen that during the past 28 years, *viz.*, from 1886 to 1913, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 222, the average total tonnage of vessels wrecked 9,824 and the average number of lives lost 179.

TABULAR STATEMENT OF WRECKS.

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Sakbi	British Indian	31	Karanja	Badagara	January 8th
2	Kashiprasad	Do.	48	Surat	Do.	Do. 10th
3	Salfordia	British screw steamer.	2,336	Barry	Calcutta and Colombo	Do. do.
4	Manguesh Prasad	British Indian	12	Coondapur	Cochin	Do. 15th
5	Duwar Compassá	Native craft	137	Nicobar	Do.	Do. 17th
6	Mahadev Pasa	Do. do.	170	Do.	Do.	Do. 18th
7	Aungzeya	British steam launch.	43	Winyaw Seikkyi	Onbinzeik and Moulmein.	Do. 21st
8	Vithalprasad	British Indian	24	Tankari	Bombay	Do. 24th
9	Ramnathprasad	Native craft (Goa)	30	Bombay	Goa	Do. 29th
10	Sawai Salamati	British Indian	156	Sadashivgad	Bombay	February 12th
11	Ramprasad	Do. do.	22	Viziadrug	Karanja and Bombay	Do. 23rd
12	Rassoolillavadi	Do. do.	18	Munambam	Mangalore	Do. 27th
13	Mahmoodi	Do. do	64	Gwadar	Karachi	March 1st
14	Magee Oimadat	Native craft	58	Beypore	Veraval	Do. do.
15	Darya Dowlatpasa	Do. do.	41	Cochin	Cutch Mandvi	Do. 6th
16	Harakhsavai	British Indian	28	Bombay	Talaja	Do. 9th
17	Mahamudi	Do. do.	68	Mangalore	Bombay	Do. 18th
18	Kanknarah	British flat	Not given	Calcutta	Narangunge	Do. 22nd
19	Soorgar Parsa	Native craft	182	Bombay	Cutch Anjar	April 7th
20	Sultan Mohidin Hydrose.	British Indian	72	Dutch bay	Colombo	Do. 10th
21	Pentland	British steam dredger.	43	Calcutta	Negapatam	Do. 11th
22	Bone Byan	British Indian	54	Tavoy	Rangoon	Do. 26th
23	Abdul Rahiman	Do. do.	83	Colombo	Pamban and Manar	May 10th
24	Bhawani	Do. do.	2	Bombay	Ratnagiri	Do. 11th
25	Kadari	Native craft	70	Porbandar	Bombay	Do. 15th
26	Jeypersad	British Indian	16	Bhavnagar	Broach	Do. 18th
27	Ganga	Do. do.	2	Fishing in the sea off Dabhol		Do. 20th
28	Mahagibi Nagpanchmi	Do. do.	21	Bombay	Varoda	Do. 25th
29	Rayai	Do. do.	47	Mangalore	Coondapur	Do. 30th
30	Mahagibi Ramedi	Do. do.	25	Ratnagiri	Are	June 1st
31	Janki	Do. do.	3	Bombay	Canary island and Borlat.	Do. 8th
32	Bhawani	Do. do.	19	Goa	Jaitapur and Bombay	Do. do.
33	Kalyan Prasad	Do. do.	48	Mangalore	Bombay	Do. 9th
34	Jibbiya	Do. do.	Unknown.	Calicut	Karachi	Do. 11th
35	Fatte Rahiman	Do. do.	193	Cochin	Salaya (Bhavnagar)	Do. do.

waters during the year 1913.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Mattool	Malabar coast	Stranding.—Error of the Tindal	Partially lost	None lost.
Tapti creek	Gulf of Cambay	Do. Error of the Pilot	Partially lost and partially damaged.	Do.
Alphe reef	Ceylon coast	Do. Error of the Master	All lost	Do.
Cochin	Malabar do.	Do. Heavy weather	Partially lost	Do.
80 miles east of Point Pedro	Bay of Bengal	Foundering. Do.	All lost	Do.
Rameshwaram island	Gulf of Manar	Stranding. Do.	Partially damaged.	Do.
Attaran river	Burma	Foundering.—Rush of passengers to one side of the Upper deck and stowage of heavy cargo on the Lower deck.	All lost	About 52 lives lost.
Tankari creek	Gulf of Cambay	Stranding.—Heavy weather	Do.	None lost.
About 10 miles off Bankot	Bombay coast	Fire.—Accidental	Do.	Do.
Near Vengurla lighthouse	Do. do.	Stranding.—Accidental	Partially lost	Do.
Karanja creek	Do. do.	Do. Do.	Partially lost and partially damaged.	Do.
Ponani	Malabar do.	Do. Tides and currents	All lost	Do.
Outside Karachi harbour	Sind do.	Collision with the S. S. "Dumra."—Absence of lights on the vessel.	Do.	Do.
22 miles west of Calicut	Malabar do.	Capsized.—Heavy weather	Do.	Do.
Off Basradrug island	Bombay do.	Sprung a leak. Do.	Partially lost.	Do.
Mahuva	Gulf of Cambay	Foundering.—Sprung a leak	All lost	Do.
Off Varoda	Bombay coast	Fire.—Spontaneous combustion	Do.	Do.
Angeria river	Backergunge District	Stranding,—Parting of the Steering gear of the towing steamer "Nagpur."	Do.	Do.
Near Bhombad	Bombay coast	Sprung a leak.—Old age of the vessel	Do.	Do.
Opposite Kandakuli	Ceylon do.	Stranding.—Heavy weather	Do.	Do.
Lat. 19° 53¼′ N., long. 87° 14′ E.	Bay of Bengal	Foundering.—Tides and currents	No cargo	Do.
Zadi	Burma coast	Stranding.—Accidental	All lost	Do.
Off Devil's Point	Palk Strait	Do. Error of the Tindal	No cargo	Do.
Sakhari	Bombay coast	Do. Heavy weather	Do.	Do.
Madhavpur	Kathiawar do.	Foundering. Do.	All lost	Do.
Near the mouth of the Narmada river.	Gulf of Cambay	Stranding. Do.	Do.	Do.
Dabhol port entrance	Bombay coast	Do. Do.	No cargo	Do.
Newra creek bar	Do. do.	Do. Do.	Do.	Do.
Mangalore	Malabar do.	Do. Do.	In ballast	Do.
Bar of the Are creek	Bombay do.	Do. Do.	None lost	Do.
Off Korlai Fort	Do. do.	Foundering. Do.	No cargo	Do.
Harnai port	Do. do.	Stranding. Do.	Partially lost	Do.
On the bar of the Dabhol creek	Do. do.	Do. Do.	All lost	Do.
Off the coast opposite Satputi light.	Do. do.	Do. Do.	Partially lost and partially damaged.	Do.
Off Kalaw	Do. do.	Do. Do.	All lost	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
36	Jairam Pasa. . .	British Indian .	86	Calicut . .	Matwad and Karachi.	June 11th .
37	Naran Sawai. . .	Do. do. .	40	Azhikal . .	Broach . . .	Do. 12th .
38	Morvi	Native craft .	126	Bombay . .	Tuna . . .	Do. do. .
39	Loarman . . .	British Indian .	195	Chittagong .	Nilla, and Narain-gunge.	Do. 26th .
40	Cargo Boat No. 24 .	Do. do. .	30	Cuttack . .	False Point . .	July 22nd .
41	Cargo Boat No. 16 .	Do. do. .	28	Do. . .	Do. do. . .	Do. do. .
42	Mombai Salamat . .	Do. do. .	15	Dandi . .	Gogo . . .	Do. 27th .
43	Sparrow . . .	British inland steamer.	90	Barisal . .	Sandwip and Ichakhali.	August 5th .
44	Yeshwanty . . .	British Indian .	2	Bombay	harbour . .	Do. do. .
45	Daria Dowlet . .	Do. do. .	60	Mahua . .	Bombay and Mangalore.	October 12th .
46	Laxumi Prasad . .	Do. do. .	33	Bombay . .	Mangalore . .	Do. 13th .
47	Mohideen Bux . .	Do. do. .	279	Negapatam .	Nicobar island and Rangoon.	November 2nd .
48	Fatha Mabarac . .	Do. do. .	39	Murmagao .	Cochin and Cutch Mandvi.	Do. 11th .
49	Hari Prasad . .	Do. do. .	47	Cochin . .	Bombay . .	Do. 14th .
50	Dhanprasad . . .	Do. do. .	33	Mangalore .	Navsari . .	Do. 25th .
51	Cargo boat No. 31 .	Do. do. .	37	Plying within the	port limits of Cochin	Do. 29th .
52	Cargo boat No. 70 .	Do. do. .	28	Do. do.	do. do. .	Do. do. .
53	Ruparel . . .	Do. do. .	22	Surat . .	Porbandar . .	December 2nd .
54	Fath-ul-Karim . .	Do. do. .	Unknown	Salaya . .	Basra and Karachi .	Do. 3rd .
55	Doulat Pasa . .	Do. do. .	Do.	Do. . .	Mohammerah and Karachi.	Do. do. .
56	Gosamdavi . . .	Do. do. .	39	Mangalore .	Dabhol . . .	Do. 14th .
57	Samasher . . .	Do. do. .	77	Cochin . .	Bombay . . .	Do. 17th .
58	Fatehkher . . .	Native craft .	31	Veraval . .	Broach . . .	Do. 23rd .
59	An unnamed Cutter No. 24.	Do. do. .	15	Goa . .	Bassein . . .	Do. 30th .

waters during the year 1913—*concluded.*

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Kora	Bombay coast	Stranding.—Heavy weather	Partially lost and partially damaged.	None lost.
Near Dandi	Gulf of Cambay	Do. Do.	Partially lost.	Do.
Jafrabad creek	Kathiawar coast	Foundering. Do.	All lost	Do.
Off Sundip island	Chittagong do.	Stranding. Do.	Do.	Do.
At sea, Bay of Bengal	Bay of Bengal	Foundering. Do.	Do.	Do.
Near Satbhaya	Orissa coast	Stranding. Do.	No cargo	Do.
Near Kantiajel	Gulf of Cambay	Capsized. Do.	Do.	31 lives lost.
Churjubber ghat, 8/9 miles south of Noakhali.	Lower Megna river	Stranding.—Absence of all the marks of navigation resulting from flooded state of locality.	Partially lost.	None lost.
Bombay harbour	Bombay coast	Capsized.—Heavy weather	No cargo	Do.
Opposite Coondapur port	Malabár do.	Stranding. Do.	All lost	Do.
Near Ambewel	Bombay do.	Do. Do.	Partially lost.	Do.
Lat. 15° 12′ N., long. 92° 30′ E.	Bay of Bengal	Foundering. Do.	All lost	Do.
Lat. 10° 14′ N., long. 76° 00′ E.	Malabar coast	Collision with the S. S. "Begum."—Side lights not exhibited.	Do.	Do.
Off Manapad	Do. do.	Foundering.—Sprung a leak	Do.	Do.
Navsari creek	Gulf of Cambay	Do. Tides and currents	Do.	Do.
Cochin roads	Malabar coast	Fire.—Explosion	Do.	1 life lost.
Do. do.	Do. do.	Do. Originated from Cargo boat No. 31.	No cargo	None lost.
Near Suvali	Gulf of Cambay	Capsized.—Heavy weather	All lost	Do.
Near Khan in Ras Mutaf	Persian Gulf	Foundering. Do.	Do.	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Dabhol creek entrance	Bombay coast	Stranding. Do.	Do.	Do.
About 3 miles off Viziadrug Custom House.	Do. do.	Do. Do.	Partially lost and partially damaged.	Do.
About 2 miles off Diyal	Gulf of Cambay	Do. Tides and currents	All lost	Do.
On the reef at north east end of Diamond island.	Burma coast	Do. Heavy weather	Partially lost and partially damaged.	Do.

TABULAR STATEMENT OF THE CASUALTIES.

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Sonapati	British Indian	41	Karanja	Kalyan	January 6th
2	Faris	British screw steamer.	738	Bombay	Linga and Bahrein	Do. 12th
3	Thongwa	British twin screw steamer.	3,428	Kobe	Penang and Calcutta	Do. 16th
4	Karema	British screw steamer.	3,362	Calcutta	Colombo and New York.	Do. 17th
5	Salamati	British Indian	2	Ratnagiri	Dabhol	Do. 18th
6	Mahagiri Sardari	Do. do.	17	Belapur	Bombay	Do. 21st
7	Ocnana	British screw steamer.	3,155	Calcutta	Pondicherry and Marseilles.	Do. 24th
8	Edavana	British twin screw steamer.	2,686	Negapatam	Rangoon	Do. do.
9	Jamnaprasad	British Indian	24	Revdanda	Alibag	Do. 25th
10	Cargo Boat No. 5	Do. do.	18	Kulasekarapatnam.	Kayalpathain	Do. 29th
11	Faris	British screw steamer.	738	Bahrein	Linga and Bombay	February 1st
12	Padmawanti	British Indian	12	Kalyan	Bombay	Do. 5th
13	Shahjehan	British screw steamer.	1,403	Moulmein	Calcutta	Do. do.
14	Clan Macintosh	Do. do.	3,043	At Rangoon		Do. 7th
15	Ivydene	Do. do.	2,278	South Shields	Calcutta and Karachi.	Do. 8th
16	Fazilka	Do. do.	2,698	Moulmein	Bombay	Do. 10th
17	Trevessa	Do. do.	2,296	Do.	Rangoon	Do. 11th
18	Wearbeck	Do. do.	2,447	Calcutta	Bombay	Do. 14th
19	Parwatiprasad	British Indian	34	Matwad	Sawta and Bombay	Do. 21st
20	Ruparel	Do. do.	14	Bulsar	Mahuwa	Do. 22nd
21	Jamnaprasad	Do. do.	28	Do.	Bombay	Do. 23rd
22	Darya Mouja	Do. do.	4	Fishing in the sea off Jaitapur		Do. do.
23	Orsova	Austrian screw steamer.	2,226	Moulmein	Fiume	Do. 24th
24	Sakheria	British Indian	28	Bombay	Dwarka	Do. 25th
25	Dumba	British screw steamer.	762	Do.	Karachi and Muscat.	March 1st
26	Sav Pedru	British Indian	9	Agar Ramshankar.	Shewa Barge and Thana.	Do. 2nd
27	Golconda	British screw steamer.	3,730	London	Calcutta and Madras.	Do. 5th
28	Iteia	Do. do.	3,420	Chittagong	Ponani and Calcutta.	Do. 10th

waters during the year 1913.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Kalyan creek	Bombay coast	Stranding.—Error of the Tindal	Partially lost and partially damaged.	None lost.
Bahrein harbour	Persian Gulf	Do. Error of the Master	None lost	Do.
Garden Reach	Hughli river	Collision with the steamer "Penguin." —Error of the Pilot.	Do.	Do.
Colombo harbour	Ceylon coast	Fire.—Unknown	Partially damaged.	Do.
Mirya Bunder	Bombay do.	Capsized.—Accidental	All lost	Do.
Near Dhakta Dewala	Do. do.	Stranding.—Heavy weather	About all lost	Do.
Pondicherry Roads	Coromandel coast	Collision with the S. S. "Edavana." —Accidental.	None lost	Do.
Do. do.	Do. do.	Do. with the S. S.—"Oceana." —Accidental.	Do.	Do.
Revdanda creek	Bombay do.	Capsized.—Tides and currents	Partially lost	4 lives lost.
Near Koyalpatnam	Gulf of Manar	Do. Heavy weather	Do.	None lost.
Off Linga	Persian Gulf	Stranding.—Error of the Master	None lost	Do.
Off Chendani Bundar	Bombay coast	Do. Heavy weather	Partially damaged.	Do.
Long island channel, Moulmein river.	Burma do.	Do. Error of the Pilot	None lost	Do.
Devil's Hole, Rangoon river	Do. do.	Do. Sluggishness of the vessel on her helm.	Unknown	Do.
Lat. 20° 20′ N., long. 69° 20′ East.	Arabian sea	Fire.—Spontaneous combustion	None lost	Do.
Bilugyun channel, Moulmein river.	Burma coast	Collision with a cargo boat.—Error of the Tindal of the boat.	Do.	Do.
Moulmein river	Do. do.	Stranding.—Tides and currents	Do.	Do.
Above Devil's Point	Hughli river	Do. Foggy weather	Do.	Do.
Off Sawta	Bombay coast	Do, Tides and currents.	Partially lost and partially damaged.	Do.
Mouth of the Aurunga creek	Gulf of Cambay	Collision with another vessel.—Heavy weather.	Partially lost	Do.
Near Bhagul	Do. do.	Stranding—Heavy weather	Partially lost and partially damaged.	Do.
About 20 miles off Jaitapur lighthouse.	Bombay coast	Capsized. Do.	No cargo	2 lives lost
Belugyun Channel, Moulmein river.	Burma do.	Stranding.—Formation of a bank	None lost	None lost.
Mouth of the Bassein creek	Bombay do.	Do. Heavy weather	Partially lost	Do.
Outside Karachi harbour	Sind do.	Collision with the craft "Mahmoodi." —Absence of lights on that vessel.	None lost	Do.
Near Ratankar	Bombay do.	Stranding.—Error of the crew	Partially lost and partially damaged.	Do.
Fisherman's Point	Hughli river	Do. Heavy weather	None lost	Do.
Colombo harbour entrance	Ceylon coast	Collision with a Native craft.—Regulation lights not exhibited from that vessel.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
29	Ratnagiri	British Indian	33	Manor	Bombay	March 12th
30	Arankola	British twin screw steamer.	1,725	Calcutta	Rangoon	Do. 28th
31	Puranprasad	British Indian	17	Durves	Surat	April 7th
32	Curlew	British twin screw steamer.	310	Calcutta	Chandballi	Do. do.
33	Glencluny	British screw steamer.	3,067	Cardiff	Calcutta and Bassein	Do. 9th
34	Labhsawai	British Indian	18	Bombay	Kalyan	Do. do.
35	Culna	British screw steamer.	3,963	Calcutta	Madras and London	Do. do.
36	Rupabel	British Indian	20	Bhiwandi	Bombay	Do. do.
37	Mahagiri Ramedi	Do. do.	19	Kalyan	Do.	Do. do.
38	Mahagiri Daryabana	Do, do.	8	Belapur	Do.	Do. 11th
39	Rasmara	British screw steamer.	307	Rangoon	Moulmein	Do. 13th
40	Lightning	Do. do.	2,122	Calcutta	Pondicherry and Bombay.	Do. 14th
41	Dalemoor	Do. do.	2,572	Calcutta	Karachi	Do. 16th
42	Banca	Do. do.	3,794	Bombay	harbour	Do 18th
43	Bandoola	British twin screw steamer.	245	Rangoon	Daydia and Bassein	Do. 29th
44	Zaida	British screw steamer.	1,301	Penang	Victoria Point and Mergui.	Do. do.
45	Kundodhari Prasad	British Indian	12	At Kumta		May 8th
46	Santan	Do. do.	7	Honawar	Ankola	Do. 11th
47	Parvatiprasad	Do. do.	6	Broach	Bhavnagar	Do. do.
48	Sivasubramaniam	Do. do.	20	Tuticorin	Kulasekarapatnam	Do. do.
49	Upada	British screw steamer.	3,382	Bassein	Cannanore	Do. 13th
50	Mansubi	Do. do.	2,042	Bombay	Calcutta and Aden	Do. 15th
51	Narayen Prasad	British Indian	11	At Kumta		Do. 16th
52	Dowlatsawai	Do. do.	27	Mahuwa	Umbergao	Do. 17th
53	Elax	British screw steamer.	2,571	Rangoon	Calcutta	Do. 19th
54	Brantford	Do. do.	2,656	Barry	Calcutta and Karachi	Do. 22nd
55	Good Hope	Do. do.	2,308	Calcutta	Madras coast	Do. 25th
56	Gracchus	Do. do.	2,404	Moving within the Calcutta port from one berth to another.		Do. do.

waters during the year 1913—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Manor	Bombay coast .	Collision with a pillar of the Railway bridge.—Tides and currents.	Partially lost and partially damaged.	None lost.
Moyapur bar . . .	Hughli river . .	Stranding.—Deterioration of the channel.	None lost .	Do.
Dantivra creek . .	Bombay coast .	Do. Error of the Tindal .	Partially lost and partially damaged.	Do.
Abreast of E buoy, Shortts island.	Orissa do. .	Do. Accidental . . .	None lost .	Do.
Devil's Point, Bassein river .	Burma do. .	Collision with a Lighter.—Error of the Tindal of that vessel.	Do.	Do.
Kalyan creek . . .	Bombay do. .	Capsized.—Heavy weather . .	Partially lost and partially damaged.	Do.
Madras harbour . . .	Coromandel do. .	Fire.—Unknown	Do.	Do.
North side of Kulva bridge .	Bombay do. .	Stranding.—Heavy weather . .	All lost .	Do.
Thana creek . . .	Do. do. .	Do. Do. . .	Partially lost .	Do.
Opposite Belapur Bundar .	Do. do. .	Do. Do. . .	Do. .	Do.
3 miles east of Lower Eastern buoy, Rangoon river.	Burma do. .	Starboard paddle shaft broken.—Unavoidable.	None lost .	Do.
Near Cuddalore lighthouse .	Coromandel do. .	Stranding—Error of the Master.	Do. .	Do.
Latitude 21° N., long. 69° E.	Arabian sea . .	Fire.—Spontaneous combustion .	Partially damaged.	Do.
Bombay harbour . . .	Bombay coast . .	Do.—Unknown	Do. .	Do.
Maubin river . . .	Burma . . .	Collision with the S. L. "Starlight."—Not reported.	None lost .	Do.
Celerity passage . . .	Do. coast . .	Stranding.—Unavoidable . .	Do. .	Do.
Kumta bar	Bombay do. . .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Honawar bar . . .	Do. do. . .	Foundering. Do. . .	Do. .	Do.
Narbuda river . . .	Gulf of Cambay .	Stranding. Do. . .	Partially lost .	Do.
Off Alendal	Do. Manar .	Do. Do. . .	Do.	Do.
Thomsons Point, Bassein river	Burma coast . .	Collision with a paddy gig.—Error of the Tindal of the gig.	None lost .	Do.
Garden Reach . . .	Hughli river . .	Do. with the steamer "Moulmein."—Error of the Assistant Harbour Master.	Do.	Do.
Kumta bar	Bombay coast . .	Foundering.—Heavy weather . .	Partially lost and partially damaged.	Do.
Mouth of the Umbargao creek	Do. do. . .	Stranding Do. . .	Partially damaged.	Do.
Off Fulta Point . . .	Hughli river . .	Do. Vessel's refusal to answer her helm.	None lost .	Do.
Off Shalimar	Do. do. . .	Do. Accidental . . .	Do.	Do.
Kidderpore Docks . . .	Do. do. . .	Collision with the S. S. "Gracchus."—Accidental.	Do.	Do.
Do. do. . . .	Do. do. . .	Do. with the S. S. "Good Hope".—Accidental.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
57	Saranac	British screw steamer.	3,354	Hamburg	New York and Calcutta.	May 28th
58	Gallia	British twin screw steamer.	555	Bombay	Jafarabad and Bhavnagar.	June 6th
59	Verisal	British Indian	26	Goa	Bombay and Dwarka	Do. 11th
60	Khatas Passa	Do. do.	143	Cochin	Salaya	Do. 12th
61	Kalika	British screw steamer.	81	Bombay	Dharamtar	Do. 19th
62	Mahomed Samdany	British Indian	221	Tondaimannar	Pamban and Colombo	Do. 20th
63	Allahmilai	Do. do.	6	Gizri Bunder	Jungle Punj Gajo	Do. 22nd
64	Santhia	British screw steamer.	3,353	Java	Samarang and Calcutta.	Do. 25th
65	Katanga	Do. do.	2,160	Calcutta	Colombo	July 10th
66	Dunera	Do. do.	3,403	Gopalpur	Rangoon	Do. 23rd
67	Matiana	Do. do.	3,274	Calcutta	London	August 2nd
68	Katoria	Do. do.	664	Rangoon	Akyab and Chittagong.	Do. 3rd
69	Clan Macgillivray	Do. do.	3,107	Calcutta	Chittagong and London.	Do. 5th
70	Allahmilai	British Indian	13	Gizri Bunder	Jungles Chocherjogot and Sawalpure.	Do. 15th
71	Barbarigo	Italian screw steamer.	2,821	Venice	Colombo and Calcutta.	Do. 15th
72	Rampasa	British Indian	49	Porbandar	Bombay	Do. 25th
73	Ozarda	British screw steamer.	3,038	Moulmein	Colombo	September 17th
74	Bhadra	British twin screw steamer.	243	Rangoon	Bokpyin and Kamaw	Do. 21st
75	Santhia	British screw steamer.	3,353	Java	Calcutta	Do. 23rd
76	Norfolk	Do. do.	2,506	Calcutta	Tuticorin	Do. 25th
77	Syriam	Do. do.	891	Rangoon	Calcutta	October 6th
78	Kyauktan	British brig	301	Rangoon Pilot vessel on Pilot Station.		Do. do.
79	Trocas	British screw steamer.	2,657	Rangoon	Calcutta	Do. 8th
80	Shafina	British Indian	45	Bombay	Murmagao and Mangalore.	Do. 12th
81	Catherine Apear	British screw steamer.	1,730	Rangoon	Bassein and Chittagong.	Do. do.
82	Alavi	Do. do.	2,324	Bombay	Colombo and Calcutta	Do. 13th

waters during the year 1913—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Vicinity of Gindura rock buoy	Ceylon coast	Stranding.—Error of the Master	Partially lost	None lost.
Latitude 19° 40′ N., long. 72° 8′ E.	Bombay do.	Fire.—Accidental	Partially damaged.	Do.
Near Navapur	Do. do.	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Off Kora	Do. do.	Do. Do.	None lost	Do.
Bombay harbour	Do. do.	Collision with the S. L. "Sprite".—Error of the Master of the S. S. "Kalika" and the Serang of the S. L. "Sprite."	No cargo	Do.
Lat. 7° 52′ N., long. 78° 29′ E.	Gulf of Manar	Dismasted.—Heavy weather	None lost	Do.
Near Jhari mouth of the river Indus.	Sind coast	Capsized.— Do.	Partially lost and partially damaged.	Do.
Hughli point	Hughli river	Stranding.—Tides and currents	None lost	Do.
Moyapur	Do. do.	Do. Shortage of steam	Do.	Do.
Rangoon river	Burma coast	Collision with Sule Pagoda wharf.—Error of the Assistant Harbour Master.	Do.	Do.
Garden Reach	Hughli river	Stranding.—Error of the Assistant Harbour Master.	Do.	Do.
Chittagong river	Chittagong coast	Do. Less water in the locality than shown on chart.	Do.	Do.
Do. do.	Do. do.	Do. Insufficient water in the river.	Do.	Do.
Loyari creek	Sind do.	Capsized.—Heavy weather	Partially lost and partially damaged.	Do.
Colobaria point	Hughli river	Stranding.—Tides and currents	None lost	Do.
Off Edwan	Bombay coast	Do. Heavy weather	Partially damaged.	Do.
Moulmein river	Burma do.	Do. Sudden shift of sand	None lost	Do.
Off Bokpyin, Mergui Archipelago.	Do. do.	Do. Accidental	Do.	Do.
Moyapur bar	Hughli river	Do. Existence of a lump	In ballast	Do.
Komarie Ridge	Ceylon coast	Do. Error of the Master	None lost	Do.
Approaches to the port of Rangoon.	Burma do.	Collision with the Pilot brig "Kyauktan."—Error of the Pilot.	Do.	Do.
Do. do.	Do. do.	Do. with the S. S. "Syriam."—Error of the Pilot of that vessel.	No cargo	Do.
Off Moyapore	Hughli river	Stranding.—Error of the Pilot	None lost	Do.
Coondapur bar	Malabar coast	Do. Heavy weather	In ballast	Do.
Karnafuli river	Chittagong coast	Do. Error of the Master	None lost	Do.
Hughli Point	Hughli river	Do. Vessel's refusal to answer her helm.	Do.	Do.

E.—CASUALTIES reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
83	SANT TOOKARAM	British screw steamer.	118	Panjim	Bombay	October 17th
84	SUMATRA	German screw steamer.	4,672	Sydney	Tellicherry and Hamburg.	Do. 30th
85	TWINGONN	British screw steamer.	1,120	Rangoon	Tuticorin	November 4th
86	SHEIKH BEEKHUD	Do. do.	158	Perim island	Dijibouti	Do. do.
87	JATTRA	British twin screw steamer.	138	Chandballi	Calcutta	Do. 6th
88	LADY BLAKE	Do. do.	531	Colombo	Tondi	Do. do.
89	SURYABAN	British Indian	33	Mora	Tellicherry	Do. 10th
90	MIRAMICHI	British screw steamer.	2,316	Calcutta	Colombo and Cape Ports.	Do. 13th
91	SELANI	Native craft	29	Diu	Porbandar	Do. 14th
92	JALIBIO	Do. do.	43	Bombay	Jamnagar	Do. 15th
93	KASARA	British screw steamer.	505	Bombay harbour		Do. 17th
94	KALYANPASA	British Indian	104	Calicut	Bombay and Jodiya	Do. 18th
95	EGRA	British twin screw steamer.	2,345	Rangoon	Madras	Do. 28th
96	CADRIO	British Indian	28	Keti Bunder	Karachi	Do. do.
97	JATTRA	British twin screw steamer.	138	Chandballi	Calcutta	Do. do.
98	SINGU	British screw steamer.	1,912	Rangoon	Tuticorin and Murmagao.	Do. 29th
99	BANGALA	Do. do.	1,935	Tuticorin	Colombo	Do. 30th
100	NARASINHAPRASAD	British Indian	18	Kundapur	Cochin	Do. do.
101	GISELA	Austrian screw steamer.	2,542	Trieste	Calcutta and Madras	December 1st
102	MAHAGIRI SURYABAN	British Indian	16	Bombay	Thana	Do. do.
103	ELEPHANTA	British screw steamer.	2,695	Rangoon	Calcutta	Do. 2nd
104	NEUENFELS	German screw steamer.	3,541	Hamburg	Calcutta and Boston	Do. 21st
105	CITY OF AGRA	British screw steamer.	3,096	Vizagapatam	Tellicherry and London.	Do. 22nd
106	BHAWANIPRASAD	British Indian	31	Dholera	Malwad and Bombay	Do. 23rd
107	HAVILDAR	British screw steamer.	3,086	Bombay	Negapatam and Calcutta.	Do. 24th
108	RUPAREL	British Indian	33	Mangalore	Bombay	Do. 25th
109	JAYDEVIPRASAD	Do. do.	25	Tarapur	Broach	Do. 30th
*110	ABERLOUR	British screw steamer.	2,681	Colombo	Antwerp	October 28th

* Received later.

waters during the year 1913—*concluded.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Bombay harbour	Bombay coast	Collision with the steam barge "Snipe."—Error of the Masters of both vessels.	No cargo	None lost.
Lat. 12° 45′ N., long. 49° 21′ E.	Gulf of Aden	Fire.—Unknown	Unknown	Do.
Tuticorin roadstead	Gulf of Manar	Do.—Originated from a burning lighter.	Partially lost	7 lives lost.
Lat. 11° 44½′ N., long. 43° 11′ E.	Gulf of Aden	Stranding.—Accidental	Water ballast	None lost.
Off Princep's Ghat, Calcutta	Hughli river	Collision with the steamer "Roopnarain."—Error of the Serang of that vessel.	None lost	Do.
Near Pamban	Pamban Pass	Stranding.—Tides and currents	Do.	Do.
About 4 miles west of Oyster rock lighthouse.	Bombay coast	Collision with a steamer.—Preventable	Partially lost and partially damaged.	Do.
Moyapore bar	Hughli river	Stranding.—Tides and currents	None lost	Do.
Diu	Kathiawar coast	Do. Accidental	Partially lost	Do.
Bassein creek entrance	Bombay do.	Do. Stress of weather	Partially lost and partially damaged.	Do.
Bombay harbour	Do. do.	Collision with the Swing bridge.—Error of the Chief Engineer.	No cargo.	Do.
About a mile off Satpati light	Do. do.	Stranding.—Sprung a leak	Partially lost and partially damaged.	Do.
Rangoon harbour	Burma do.	Do. Accidental	None lost	Do.
Near Hussen wah, Ochito river	Sind do.	Do. Tides and currents	Partially lost and partially damaged.	Do.
Fisherman's Point	Hughli river	Fire.—Spontaneous combustion	Partially damaged.	1 life lost.
Cochin roads	Malabar coast	Do.—Originated from lighter No. 31 lying alongside.	Partially lost	None lost.
Half an hour after leaving Tuticorin.	Gulf of Manar	Damage to boiler.—Error of the 3rd Engineer.	None lost	Do.
Off Wallapad	Malabar coast	Capsized.—Heavy weather	Partially lost	Do.
College Sand	Hughli river	Stranding.—Accidental	None lost	Do.
North side of Kalwa bridge	Bombay coast	Do. Do.	Do.	Do.
Moyapur bar	Hughli river	Do. Formation of a lump	Do.	Do.
Guptakhali Point, Chittagong	Chittagong coast	Do. Foggy weather	Do.	Do.
Off Ras al Ara	Gulf of Aden	Do. Not reported	Do.	Do.
About 2½ miles off Wadvan	Bombay coast	Do. Heavy weather	Partially lost and partially damaged.	Do.
Off Negapatam light	Coromandel do.	Do. Error of the 2nd Officer	None lost	Do.
Jaitapur creek	Bombay do.	Do. Error of the Tindal	Partially damaged.	Do.
About 2½ miles off Chinchui	Do. do.	Do. Do.	Partially lost and partially damaged.	Do.
Azalea reef, Perim	Red sea	Do. Abnormal currents	Lost	Do.

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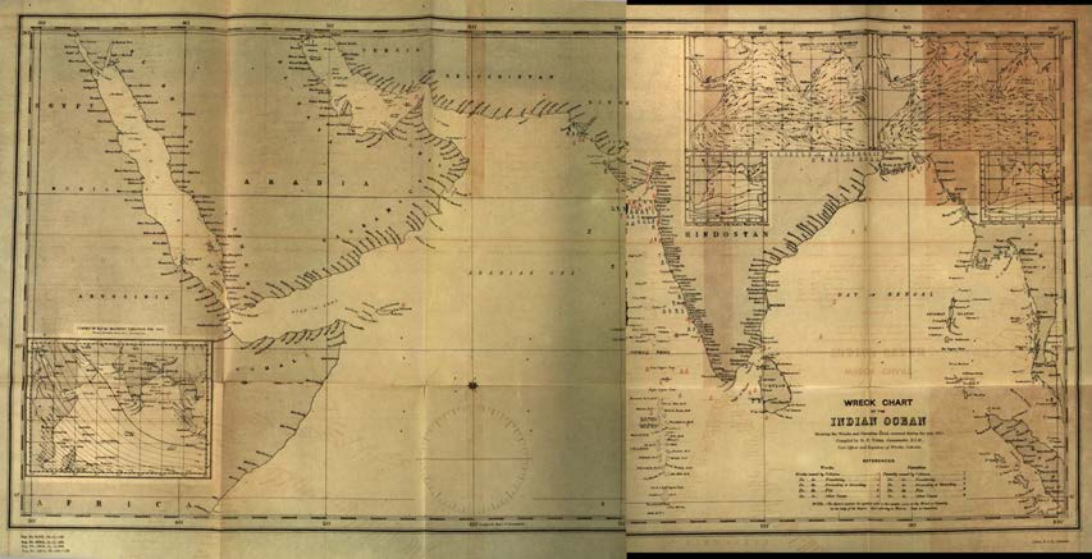
ARABIA
AFRICA
HINDOSTAN
BAY OF BENGAL
WRECK CHART
OF THE
INDIAN OCEAN

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1914 inclusive.

Total number of Casualties
Total number of Wrecks
Wrecks from Unknown causes
Wrecks not from Unknown causes
Casualties due to Preventible causes
Casualties due to Unpreventible causes
Increase due to sinking of 16 British vessels by German Cruisers "Emden" and "Koenigsberg".
Total Tonnage of Vessels Wrecked
Increase due to loss of Ten sailing vessels by Bay of Bengal Cyclone
Cyclone in West coast of India.
Increase due to Bay of Bengal Cyclone
Cyclone in Gulf of Manitaan

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1914

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST TWENTY-NINE YEARS

PREPARED BY

COMDR. D. F. VINES, R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

134697

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1915

REVIEW.

THE year under review has been an abnormal one in respect of casualties to vessels in Indian Waters, owing to the great European war now in progress.

The German Cruisers *Koenigsberg* and *Emden* appeared in Indian Waters, captured and sank a number of British vessels of which the following are the particulars :—

The S. S. *City of Winchester* by the *Koenigsberg* presumably off Sokotra on the 7th August 1914. The S. S. *Indus, Lovat, Killin, Diplomat, Trabboch* and *Clan Matheson* between the 10th and 15th September in the Bay of Bengal by the *Emden*. The *Emden* made a further raid on British Shipping between the 25th and 27th September 1914 and succeeded in sinking the S. S. *King Lud* and *Tymeric* off the coast of Ceylon and the S. S. *Ribera* and *Foyle* in the Indian Ocean and Arabian sea respectively.

The last exploit of this vessel in Indian Waters was in the neighbourhood of the Minikoi Islands between the 16th and 19th October 1914 when she sank the Dredger *Ponrabbel*, S. S. *Clan Grant, Benmohr, Troilus* and *Chilkana*.

During the bombardment of Madras harbour between 9-20 and 9-30 P.M. of the 22nd September 1914 by a hostile Cruiser (apparently the *Emden*) some shells struck the S. S. *Chupra*, then at moorings in the harbour, killing one Cadet and wounding 8 seamen.

Among the ordinary casualties, the Chinese Junk *Soon Hun Lee* was lost with 29 lives and all her cargo. This vessel left Peli Pilas, Nicobar Islands, at 8 P.M. on the 11th May 1914 with a crew of 11 hands and 18 passengers but was not seen again. Some of her cargo and wreckage were found drifting into Katchal. The cause of the accident is believed to be rough weather and a sudden gale.

The next is the British Indian vessel *Fathahool Maunan* which was on a voyage from Palliport to Ponani with a crew of 10 hands. She experienced strong winds, lost her anchors and sail and drifted helplessly to sea. The Master and 6 of the crew left the vessel in a Canoe and have not since been heard of, the three other men stayed by the vessel and were picked up by a passing steamer on the 10th January 1914. The vessel is believed to be totally lost.

Another case of importance is the British Indian craft *Labh Savai* which was on a voyage from Bhavnagar to Broach with a crew of 5 hands and 5 passengers meeting with a cyclone which drove her on to a sand bank off the entrance to the Nerbudda river, Gulf of Cambay; she capsized and foundered on the 17th February 1914. 7 lives and all the cargo are reported to have been lost.

The number of reported wrecks embodied in this Report is 59 and the casualties 98.

Of the wrecks, there are 22 British, 2 Foreign and 30 British Indian vessels and 5 Native craft. Of the casualties, 55 British, 6 Foreign and 36 British Indian vessels and 1 Native craft.

There are 3 Collisions, 27 Founderings, 24 Strandings and 5 miscellaneous cases amongst 59 wrecks and 20 Collisions, 3 Founderings, 56 Strandings and 19 miscellaneous cases amongst 98 casualties.

The total number of lives lost by wrecks is 43 and by casualties 1, aggregating 44.

There are other minor cases reported which are not considered of sufficient importance to be included in this return.

These wrecks and casualties, aggregating 157, are reported to have occurred in the following localities:—

40 on the Bombay coast, 34 in the Hughli river, 14 in the Arabian sea and Indian Ocean, 12 on the Burma coast, 12 on the Malabar coast, 11 on the Kathiawar coast and in the Gulf of Cambay, 7 on the Sind coast, 7 in the Bay of Bengal, 5 on the Ceylon coast and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show :—(*A*) the causes to which the reported wrecks and casualties are attributed; (*B*) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1914, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes (*C*) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1914, inclusive ; (*D*) a tabular statement of the wrecks and (*E*) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1914, are also appended to this return.

In conclusion, I have to acknowledge, with gratitude, the generous assistance received from the various Marine Authorities in India and the Shipping Firms in Calcutta, in procuring the details of the wrecks and casualties recorded in this return.

DUNCAN. F. VINES, *Comdr., B.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1915.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	17	48,643(a)	...	4	2,419	...	...	...	...
Sailing	...	...	...	1	...(a)	...	...	...	...	...	...	...
British Indian.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	69	...	7	356	7	17	721	7	4	121	...
Native craft of all nationalities.												
Sailing	1	31	...	1	49	...	2	90	...	1	23	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	1	2,087	...	...	...	...
Sailing	...	...	...	1	40	29	...	...	...	...	...	...
Total	3	100	...	27	49,588	36	24	5,317	7	5	144	...
CASUALTIES.												
British vessels.												
Steam	20	39,526	...	...	...	...	24	56,160	...	11	24,787	1
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	3	66	...	26	888	...	7	262	...
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	1	37	...	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	5	14,910	...	1	2,757	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	20	39,526	...	3	66	...	56	71,995	...	19	27,806	1
GRAND TOTAL	23	39,626	...	30	49,654	36	80	77,312	7	24	27,950	1

(a) Not including the tonnage of three British vessels not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1914, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	81	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	34	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1914, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886 . .	442	15,402	105	1902 . .	183	6,949(*c*)	831
1887 . .	228	20,022	1,016(*a*)	1903 . .	206	1,823(*d*)	50
1888 . .	238	11,739(*b*)	917	1904 . .	164	6,095(*e*)	73
1889 . .	217	9,629	35	1905 . .	147	3,470(*f*)	86
1890 . .	214	16,973	22	1906 . .	172	5,545(*g*)	82
1891 . .	231	12,068	240	1907 . .	189	8,602(*h*)	70
1892 . .	230	10,410	272	1908 . .	225	11,768(*i*)	55
1893 . .	223	12,428	170	1909 . .	391	18,620(*j*)	69
1894 . .	234	5,180	81	1910 . .	242	8,280(*k*)	64
1895 . .	212	7,982	63	1911 . .	202	12,308(*l*)	74
1896 . .	243	8,147	168	1912 . .	219	9,165(*m*)	138
1897 . .	177	13,141	96	1913 . .	169	5,518(*n*)	98
1898 . .	257	11,979	75	1914 . .	157	55,149(*o*)	44
1899 . .	218	2,728	22				
1900 . .	169	9,140	34				
1901 . .	189	4,980	22				

From the foregoing it will be seen that during the past 29 years, *viz.*, from 1886 to 1914, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 220, the average total tonnage of vessels wrecked 11,387 and the average number of lives lost 175.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S S. *Lamport*.
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British Steam Launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Darya Bahadur	British Indian	17	Malpe	Badagara	January 1st
2	Fathahool Maunan	Do. do.	59	Palliport	Ponani	Do. 10th
3	Dowlatpassa	Native craft	24	Navalakhi Bandar	Karachi	Do. 19th
4	Fateh Ismail	British Indian	52	Bombay Harbour		Do. 24th
5	Shakur	Native craft (Goa)	31	Bankot	Dabhol	Do. 27th
6	Aliki	Greek screw steamer.	2,087	Piraeus	Suez and Karachi	Do. 29th
7	Sri Mahadhadrachela Seetarama Swamy.	British Indian	98	Masulipatam	Calcutta and Akyab	Do. 30th
8	Puran Prasad	Do. do.	18	Bombay	Surat	Do. 31st
9	Thrush	British Inland steamer.	122	Calcutta	Ichakolly and Sundeep	Do. do.
10	Ammapurany	British Indian	27	Thopeturai	Calimere point and Kaits.	February 5th
11	Laxamiprasad	Do. do.	49	Ghogo	Bombay	Do. 16th
12	Laxmiprasad	Do. do.	50	Do.	Do.	Do. do.
13	Labh Savai	Do. do.	14	Bhavnagar	Broach	Do. 17th
14	Ruje	Do. do.	16	Bombay	Kasargad	March 2nd
15	Waroo	Do. do.	26	Calicut	Coondapur and Bombay	Do. 10th
16	Laximipassa	Do. do.	44	Broach	Calicut and Karachi	Do. 22nd
17	Annie	British steam launch.	Not given	Plying in the Hughli river		April 10th
18	Dhanprasad	British Indian	33	Bombay	Bulsar	May 1st
19	Machheri	Do. do.	7	Broach	Gogha	Do. 6th
20	Lakhmiprasad	Do. do.	49	Bombay	Billimora	Do. 9th
21	Cabimshoy	Native craft	66	Do.	Porbandar and Ormara.	Do. 10th
22	Soon Hun Lee	Chinese Junk	40	Penang	Sabang and Nicobar	Do. 11th
23	Bijli Prasad	Native craft	23	Bombay	Dabhol	Do. 18th
24	Lakhmi Prasad	Do. do.	49	Do.	Veraval	Do. 15th
25	Husseni	British Indian	98	Do.	Jodia	June 6th
26	Gulab	British steam launch	18	Calcutta	Serajgunge	Do. 23rd
27	City of Winchester	British screw steamer.	6,800	Do.	Colombo and London	August 7th
28	Kanzlee	Do.	2,120	Karachi	Port Louis, Mauritius.	Do. 14th
29	Amanath Shah	British Indian	362	Cuddalore	Camorta, Nicobar Islands.	Do. 17th
30	Roopsa	British Inland steamer.	159	Calcutta	Ichakali and Barisal	Do. 24th

waters during the year 1914.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Hosdoorg	Malabar coast	Collision with an unknown vessel.—Preventable.	Partially lost	None lost.
Lat. 5° 15′ N., long. 74° 51′ E.	Arabian sea	Foundering.—Heavy weather	In ballast	7 lives lost.
Near Mull mouth, river Indus.	Sind coast	Stranding.—Heavy weather	Partially lost	None lost.
Bombay harbour	Bombay do.	Collision with the S. S. *Chindwara*.—Side lights hidden by a tier of bales and so not visible.	Partially damaged.	Do.
Off Kelshi Bandar.	Do. do.	Collision with the str. *Omravati*.—Non-exhibition of regulation light	All lost	Do.
Near Merbat.	Arabian do.	Stranding.—Tides and currents	Water ballast	Do.
Oyster reef	Burma do.	Stranding.—Not reported	All lost	Do.
Off Prongs light house, Bombay harbour.	Bombay do.	Capsized.—Heavy weather	Do.	Do.
Chur Ramiz	Megna river	Stranding.—Dense fog	Partially lost & partially damaged.	Do.
Calimere Pt. Port	Coromandel coast	Fire.—Unknown	All lost	Do.
4 miles off Ager foreshore	Bombay do.	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Gopnath	Gulf of Cambay	Foundering.—Tides and currents	All lost	Do.
Off the entrance to Nurbuda river.	Do. do.	Stranding.—Heavy weather	Do.	7 lives lost.
Off Alibag	Bombay coast	Stranding.—Error of the Tindal	Partially lost and partially damaged.	None lost.
Off Coondapur	Malabar do.	Stranding.—Heavy weather	All lost	Do.
Dubba, mouth of the river Indus.	Sind do.	Foundering.—Heavy weather	Partially lost and partially damaged.	Do.
Budge Budge	Hughli river	Foundering.—Tides and currents	No cargo	Do.
Off Auranga river bar	Gulf of Cambay	Stranding.—Heavy weather	None lost	Do.
Opposite Piram light-house	Do. do.	Do. do.	All lost	Do.
Mouth of the Ambica river.	Do. do.	Do. do.	In ballast	Do.
Between Khober and Tursian mouths of the river Indus.	Sind coast	Do. do.	Partially lost and partially damaged.	Do.
Off the north of Katchal island, Nicobars.	Bay of Bengal	Foundering.—Heavy weather	All lost	29 lives lost.
About 6 miles off Kolthara shore.	Bombay coast	Capsized.—Heavy weather	Do.	None lost.
Exact spot not reported	Off Kathiawar coast	Foundering—Heavy weather	Do.	Do.
Near Mahapur	Bombay coast	Stranding—Heavy weather	Partially lost and partially damaged.	Do.
Serajgunge, river Brahmaputra	Bengal	Stranding.—Accidental	No cargo	Do.
Off Sokotra	Arabian sea	Captured and sunk by German Cruiser *Koenigsberg*.	All lost	Do.
Malcolm reef, Maldive Islands	Indian Ocean	Stranding.—Heavy weather	Do.	Do.
Lat. 7° 55′ N., long. 94° 15′ E.	Bay of Bengal	Foundering.—Heavy weather	Do.	Do.
Churjubbu, off Ichakoli	Megna river	Stranding.—Removal of light to another position without due notice.	No cargo	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wrecks.
31	Gulalio	British Indian	100	Porbandar	Calicut	September 8th
32	Indus	British screw steamer.	2,103	Calcutta	Bombay	Do. 10th
33	Lovat	Do.	3,901	Do.	Do.	Do. 11th
34	Killin	Do.	2,257	Barry	Calcutta and Colombo	Do. 13th
35	Diplomat	Do.	4,873	Calcutta	London	Do. do.
36	Thabboch	Do.	2,536	Negapatam	Calcutta	Do. 14th
37	Laxmi Prasad	British Indian	11	Malwan	Bombay	Do. do.
38	Clan Matheson	British screw steamer.	3,053	Glasgow	Madras and Calcutta	Do. 15th
39	Naran Prasad	British Indian	13	Veraval	Surat	Do. 16th
40	Naran Prasad	Do. do.	26	Bhavnagar	Ghogo and Bombay	Do. do.
41	Ruparel	Do. do.	43	Broach	Mora	Do. 17th
42	Jamna Prasad	Do. do.	32	Do.	Do.	Do. do.
43	Naran Prasad	Do. do.	37	Bhagwa	Broach and Mora	Do. do.
44	Puran Prasad	Do. do.	37	Do.	Mora	Do. do.
45	King Lud	British screw steamer.	2,344	Sunderland	Alexandria and Calcutta.	Do. 25th
46	Tymeric	Do. do.	2,159	Glasgow	Colombo	Do. 26th
47	Ribera	Do. do.	2,244	Do.	Alexandria and Batavia.	Do. 27th
48	Foyle	Do. do.	2,690	Dunstan	Port Said and Rangoon.	Do. do.
49	Allahabad	British Indian	149	Chittagong	Ramchandrapur	October 16th
50	Pombabbel	British steam Dredger.	Unknown	Glasgow.	Aden and Launceston	Do. do.
51	Clan Grant	British screw steamer.	2,505	Do.	Aden and Colombo	Do. do.
52	Benmohr	Do. do.	3,110	London	Suez and Penang	Do. do.
53	Troilus	Do. do.	4,824	China Ports	Colombo and London	Do. 19th
54	Chilkana	Do. do.	3,244	London	Aden and Colombo	Do. do.
55	Peeramadath	British Indian	39	Bulsar	Tellicherry	Do. 20th
56	Rama Prasad	Do. do.	74	Bhavnagar	Tellicherry and Kallai.	Do. do.
57	Bevei	Do. do.	75	Karachi	Henjam and Mohammeralli	November 4th
58	Hansooa	British flat	Not reported.	Calcutta	Jolakali	Do. 11th
59	Meenatchy Sundram	British Indian	117	Colombo	Tuticorin	December 3rd

waters during the year 1914—*concluded.*

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Beypore river bar	Malabar coast	Stranding.—Tides and currents	Partially lost	None lost
Lat. 11° N., long. 83° 45′ E.	Bay of Bengal	Captured and sunk by German Cruiser *Emden*.	No cargo	Do.
Lat. 13° 22′ N., long. 84° 43′ E.	Do. do.	Do. do.	Do.	Do.
Lat. 17° 50′ N., long. 85° 56′ E.	Do. do.	Do. do.	All lost	Do.
Exact spot not reported	Do. do.	Do. do.	Do.	Do.
27 Miles S. 34° E. of False Point.	Orissa coast	Do. do.	In ballast	Do.
Palsheth	Bombay do.	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Lat. 20° 00′ N., long. 87° 10′ E.	Bay of Bengal	Captured and sunk by German Cruiser *Emden*.	All lost	Do.
Off Bulsar	Gulf of Cambay	Stranding.—Heavy weather	Do.	Do.
Off Usarni	Bombay coast	Do. Do.	Do.	Do.
Off Murlea	Do. do.	Do. Do.	Do.	Do.
Off Satpati light-house	Do. do.	Do. Do.	Do.	Do.
Unbhat	Do. do.	Do. Do.	Do.	Do.
Off Uchheli	Do. do.	Sprung several leaks.—Heavy weather	Do.	Do.
Off Point de Galle	Ceylon do.	Captured and sunk by German Cruiser *Emden*.	In ballast	Do.
N. 73° W. (True) 50 miles from Colombo.	Do. do.	Do. do.	All lost	Do.
220 miles west from Colombo	Indian Ocean	Do. do.	Water ballast	Do.
100 miles E.-S. of Minikoi island.	Arabian sea	Do. do.	In ballast	Do.
2 miles south-west of Chur Lucki.	Chittagong coast	Foundering.—Tides and currents	Partially lost	Do.
18 miles east of Minikoi	Arabian sea	Captured and sunk by German Cruiser *Emden*.	No cargo	Do.
3 miles south of Minikoi	Do.	Do. do.	All lost	Do.
60 miles north-west of Minikoi	Do.	Do. do.	Do.	Do.
Lat. 8° 51′ N., long. 74° 42′ E.	Do.	Do. do.	Do.	Do.
Do. do.	Do.	Do. do.	Do.	Do.
About 9 miles west of Kasargad.	Malabar coast	Capsized.—Heavy weather	In ballast	Do.
Mahe	Do.	Stranding.— Do.	Do.	Do.
Exact spot not reported	Persian Gulf	Foundering.— Do.	All lost	Do.
Dhunsidee Nullah	Backergunge District	Foundering.—Towing steamer *Jaldhaka's* refusal to answer her helm.	Do.	Do.
About 37 miles north-west of Colombo.	Gulf of Manar	Foundering.—Heavy weather	Do.	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Ram Passa	British Indian	54	Mangalore	Karachi	January 9th
2	Tullochmoor	British screw steamer.	2,251	Calcutta	Rangoon	Do. 17th
3	Angora	Do. do.	1,926	Do	Do	Do. 20th
4	Trabboch	Do. do.	2,536	Cardiff	Calcutta and Tuticorin.	Do. 21st
5	Mahagiri Chandraban	British Indian	18	Mora	Panwel	Do. do.
6	Mahagiri Parwati	Do. do.	31	Uran	Bombay	Do. 31st
7	Dwarka	British screw steamer.	759	Busreh	Bushire	February 1st
8	Baroda	Do. do.	1,899	Mahomerah	Bombay	Do. do.
9	Shahzada	Do. do.	1,404	Moulmein	Calcutta	Do. 2nd
10	Mamoody	British Indian	25	Vari Jungle	Karachi	Do. 6th
11	Kashiprasad	Do. do.	42	Billimora	Bombay	Do. 8th
12	Stephanotis	British screw steamer	2,584	Calcutta	Do.	Do. 10th
13	Karim Savai	British Indian	74	Cochin	Karachi	Do. 12th
14	Dastagiri	Do. do.	66	Bombay	Karanja and Monumbum.	Do. 14th
15	Arankola	British twin screw steamer.	1,725	Rangoon	Calcutta	Do. 21st
16	Rosslyn	British screw steamer.	2,395	Port Said	Colombo and Chittagong.	Do. 28th
17	Kalika	Do. do	105	Dharamtar	Karanja and Bombay	March 3rd
18	Hymettus	Do. do.	2,985	Calcutta	Colombo and Australia.	Do. 4th
19	Salamati	British Indian	25	Dabhol	Borlai	Do. 8th
20	Silesia	Austrian screw steamer.	3,318	Calcutta	Colombo and Trieste	Do. 14th
21	Inverness	British screw steamer.	2,401	Do.	Bombay	Do. do.
22	Belle of France	Do. do.	2,469	Murmagao	Calcutta	Do. 15th
23	Stephanotis	Do. do.	2,584	Calcutta	Bombay	Do. 17th
24	Laxumi	British Indian	28	Mangalore	Gobagar	Do. do.
25	Rambeha	Do.	15	Bombay	Manori	Do. 19th
26	Motiprasad	Do.	14	Vishrampur	Bombay	Do. 20th
27	Kwarra	British screw steamer.	2,304	Lourenco Marques.	Bassein and Port Said	Do. 22nd
28	Sakhari	British Indian	9	Mora	Songomeshwar	Do. 29th
29	Laxmi	Do.	11	Bhiwandi	Bombay	Do. 31st

waters during the year 1914.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Ambulgad reef . . .	Bombay coast . .	Stranding.—Heavy weather . .	Partially lost	None lost.
Baragua flats, Gulf of Martaban.	Burma do. . .	Do. Omission to take soundings and the use of an obsolete and small scale chart.	Do. .	Do.
Elephant Point, Rangoon river.	Do. do. . .	Fire.—Error of a coal trimmer .	Partially damaged.	Do.
Hog river bank . . .	Hughli river . .	Stranding.—Unavoidable. . .	None lost .	Do.
Belapur	Bombay coast . .	Do. Error of the crew . .	All lost .	Do.
Mora	Do. do. . .	Do. Heavy weather . .	Partially lost .	Do.
Shatt-al-Arab river . .	Persian Gulf .	Collision with the S. S. *Baroda*.—Error of the Masters of both vessels.	None lost .	Do.
Do. do.	Do. do. . .	Do. with the S. S. *Dwarka*.—Error of the Masters of both vessels.	Do. .	Do.
Moulmein	Burma coast . .	Stranding.—Error of the pilot . .	Do. .	Do.
Daba mouth, river Indus .	Sind do. . .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Near Bhurgam . . .	Bombay coast . .	Do. Do. . .	All lost .	Do.
Hog river Reach . . .	Hughli river . .	Collision with a cargo boat.—Error of the Manjee of the boat.	None lost .	Do.
Off Malpe	Malabar coast . .	Sprung a leak.—Accidental . .	Partially lost and partially damaged.	Do.
Karanja	Bombay do. . .	Stranding.—Unavoidable . .	Do. . .	Do.
Jellingham Channel . .	Hughli river . .	Collision with a cargo boat.—Error of the crew of the boat.	None lost .	Do.
Chittagong light-house S. 59° E, Juldia flag staff N. 39°E.	Chittagong coast .	Stranding.—Unavoidable. . .	Do. .	Do.
Bombay harbour . . .	Bombay coast . .	Collision with the Mody Bundar wharf.—Error of the Master and the Engineer.	No cargo .	Do.
Oolobaria	Hughli river . .	Stranding.—Jamming of the wheel chain.	None lost .	Do.
Anjanvel	Bombay coast . .	Do. Heavy weather.	In ballast .	Do.
Jellingham Channel . .	Hughli river . .	Stranding.—Deterioration of the channel.	None lost .	Do.
Do. do. . .	Do. do. . .	Stranding.—Deterioration of the channel.	Do. .	Do.
Off Garden Reach . .	Do. do. .	Collision with the steamer.—*Sir T. Wynne*.—Error of the Assistant Harbour Master.	No cargo .	Do.
Moyapore Bar	Do. do. . .	Stranding.—Extension of bank .	None lost .	Do.
Mangalore harbour entrance .	Malabar coast . .	Do. Error of the Tindal .	Partially lost .	Do.
Aksha creek . . .	Bombay do. . .	Do. Heavy weather . .	All lost .	Do.
Wadhiv	Do. do. . .	Do. Error of the Tindal .	Do. . .	Do.
Pomawaddy flats, Bassein river	Burma do. . .	Do. Due to a list . .	None lost .	Do.
Uran creek	Bombay do. . .	Do. Heavy weather . .	Partially lost and partially damaged.	Do.
Thana creek	Do. do. . .	Do. Tides and currents .	All lost .	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
30	Walton Hall	British screw steamer.	3,203	Beira	Bassein and Port Said	April 2nd
31	Reidar	Norwegian screw steamer.	2,276	Calcutta	Madras	Do. 4th
32	Suryaban	British Indian	38	Trombay	Mangalore	Do. 6th
33	Westborough	British screw steamer.	2,466	Calcutta	Karachi	Do. 9th
34	Nairung	British twin screw steamer.	2,862	Do.	Bombay *vid* Coast Ports.	Do. 10th
35	Clearway	British screw steamer.	2,417	Do.	Colombo	Do. 22nd
36	Baron Cawdor	Do.	2,764	Do.	Bombay	Do. do.
37	Braziliana	Do.	2,439	Do.	Karachi	Do. do.
38	Sanctoria	Do.	2,378	Chittagong	Calcutta	Do. do.
39	Nordmark	German screw steamer.	3,173	Hamburg	Madras and Calcutta	Do. 26th
40	Yat Shing	British screw steamer.	1,424	Hongkong	Penang and Calcutta	Do. 28th
41	Nairung	British twin screw steamer.	2,862	Laid up at Calcutta for repairs		Do. do.
42	Nairn	British screw steamer.	2,324	Rangoon	Calcutta	Do. do.
43	Ramprasad	British Indian	30	Bombay	Antora and Karanja.	Do. 29th
44	Zira	British screw steamer.	1,303	Moulmein	Penang and Victoria Pt.	Do. 30th
45	Palkhi	British Indian	17	Bombay	Bankot	May 4th
46	Hop Sang	British screw steamer.	1,359	Hongkong	Penang and Calcutta	Do. 7th
47	Vadivalagher	British Indian	135	Colombo	Negapatam	Do. do.
48	Mahagibi Laxumi	Do. do.	25	Mora	Bombay	Do. 11th
49	Elgin	British twin screw steamer.	263	Dhanashkodi	Talaimanar	Do. 20th
50	Braziliana	British screw steamer.	2,439	Calcutta	Karachi	Do. 13th to 21st.
51	Nanebic	Do. do.	3,629	London	Aden and Bombay	Do. 27th
52	Clam	Do. do.	2,311	Singapore	Calcutta and Aroe bay.	June 11th
53	Laxumi	British Indian	7	Bombay	Belapur	Do. 16th
54	Gallia	British twin screw steamer.	555	Port Victoria, Mahe (Seychelles).	Colombo	June-July
55	Dwarka	British screw steamer.	759	Bombay	Karachi	July 4th
56	Shwedagon	Do. do.	1,999	Calcutta	Rangoon	Do. 6th
57	Eurylus	Do. do.	2,308	Do.	Australia	Do. 14th
58	Orissa	Do. do.	3,525	Do.	Java ports	Do. do.
59	Evandale	Do. do.	2,468	Penarth	Rangoon and Colombo	Do. 21st

waters during the year 1914—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Padouk Reach, Bassein river	Burma coast	Stranding.—Not reported	None lost	None lost.
Moyapur bar	Hughli river	Do. Accidental	Do.	Do.
Mangalore harbour entrance	Malabar coast	Damage to vessel.—Tides and currents	Partially lost and partially damaged.	Do.
Karachi harbour	Sind coast	Fire.—Spontaneous combustion	Partially damaged.	Do.
Exact spot not reported	Hughli river	Damage to Port Boiler.—Error of the Chief, 2nd and 4th Engineers.	None lost	Do.
Kidderpore	Do. do.	Collision with the S. S. *Baron Cawdor.*—Heavy weather.	Do.	Do.
Do.	Do. do.	Do. with the S S. *Clearway.*—Heavy weather.	Do.	Do.
Do.	Do. do.	Do. with the S. S. *Sanctoria.*—Heavy weather.	Do.	Do.
Do.	Do. do.	Do. with the S. S. *Braziliana.*—Heavy weather.	No cargo	Do.
Munikholi Point	Do. do.	Stranding.—Parting of steering gear	None lost	Do.
No. 3, Esplanade Moorings, Calcutta.	Do. do.	Collision with the S. S. *Nairung*—Heavy weather.	Do.	Do.
Do. do.	Do. do.	Do. with the S. S. *Yat Shing.*—Heavy weather.	No cargo	Do.
Below Shalimar Works	Do. do.	Stranding.—Heavy weather	In ballast	Do.
Mouth of the Karanja creek	Bombay coast	Do. Accidental	Partially lost	Do.
Off Victoria Point, Mergui District.	Burma do.	Do. Not Reported	None lost	Do.
About 2 miles off Mora Barge	Bombay do.	Foundering.—Heavy weather	All lost	Do.
Eastern Gut	Hughli river	Collision with the Dredger *Balari.*—Vessel's refusal to answer her helm.	None lost	Do.
Kilakarai channel	Pamban Pass	Stranding.—Error of the Pilot	Do.	Do.
Uran creek	Bombay coast	Sprung a leak.—Unknown	All lost	Do.
Talaimanar Pier	Ceylon do.	Stranding.—Less water existed	No cargo	Do.
Exact spot not reported	Arabian sea	Fire.—Unknown	Partially lost and partially damaged.	Do.
Bombay harbour	Bombay coast	Collision with the Victoria Dockwall.—Error of the Pilot.	None lost	Do.
Royapur bar	Hughli river	Stranding.—Vessel's refusal to answer her helm.	Do.	Do.
Between Gharapuri and Pir Pan hills.	Bombay coast	Capsized.—Heavy weather	In ballast	Do.
Throughout the voyage	Indian Ocean	Damage to Engine, etc.—Unknown	None lost	Do.
Off Miani	Kathiawar coast	Break down of the rudder.—Heavy weather.	Do.	Do.
Lat. 21° 16½′ N. long. 91° 58½′ E.	Chittagong do.	Stranding.—Placing absolute reliance on the line of soundings obtained from the time of leaving Matla light-vessel instead of on dead reckoning and log.	Do.	Do.
Off No. 1 Mark, Royapur	Hughli river	Collision with the S. S. *Orissa.*—Jamming of the steering gear.	Do.	Do.
Do. do.	Do. do.	Do. with the S. S. *Eurylus.*—Jamming of the steering gear of that vessel.	Do.	Do.
Colombo Breakwater	Ceylon coast	Damage to vessel through running into Breakwater.—Vessel's taking a sheer to starboard.	Partially damaged.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
60	Braziliana	British screw steamer.	2,438	Colombo	Calcutta	July 23rd
61	Phem	Russian screw steamer.	2,757	Odessa	Djibouty and Vladivostock.	Do. 25th
62	Urlana	British screw steamer.	3,384	Rangoon	Calcutta	Do. 28th
63	Knight Companion	Do. do.	4,625	Calcutta	Bombay	August 9th
64	Bhadra	British twin screw steamer.	245	Rangoon	Moulmein	Do. 21st
65	Powhatan	British screw steamer.	3,925	New York	Karikal and Calcutta	Do. 23rd
66	Blake	Do. do.	2,396	Calcutta	Bombay	Do. 28th
67	Lucerio	Do. do.	4,100	Glasgow	Calcutta and Singapore.	Do. 31st
68	Caithness	Do. do.	2,222	Calcutta	Bombay	September 6th
69	Sant Tookaram	Do. do.	118	Bombay	Panjim and Malwan.	Do. 9th
70	Fatte Salamat	British Indian	85	Porbandar	Calicut	Do. 15th
71	Ruparel	Do. do.	54	Broach	Mora	Do. 16th
72	Labhsavai	Do. do.	27	Do.	Do.	Do. 17th
73	Narayen Prasad	Do. do.	53	Bhagwa	Broach	Do. do.
74	Labhsawai	Do. do.	40	Surat	Dahanu and Bombay	Do. 18th
75	Chupra	British screw steamer.	3,962	London	Madras and Calcutta	Do. 22nd
76	Kilkerran	Do. do.	2,413	Karachi	Rangoon	Do. do.
77	Lallai	British Indian	15	Jungle Ghoro	Jungle Punjgazo	Do. do.
78	Laxumi Prasad	Do. do.	21	Broach	Mora	Do. 26th
79	Rio Pirahy	British screw steamer.	2,297	Cardiff	Karachi and Hull	October 1st
80	Peter Jebsen	Norwegian screw steamer.	2,274	Calcutta	Penang	Do. 4th
81	Ramaprasad	British Indian	48	Veraval	Calicut and Kallai	Do. do.
82	Mahalaxmi	Do. do.	10	Trombay	Thana	Do. 8th
83	Belle of England	British screw steamer.	2,469	Rangoon	Calcutta	Do. 23rd
84	Dhanprasad	British Indian	46	Bombay	Mora	Do. 25th
85	Pun Khida	Do. do.	7	Bhavnagar	Surat	Do. do.
86	Jayavanti	Do. do.	18	Mora	Bombay and Coondapur.	November 3rd
87	Ramprasad	Do. do.	48	Veraval	Calicut	Do. 4th
88	Ramapooba	British screw steamer.	379	Mergui	Tavoy and Rangoon	Do. 8th
89	Hlaing	British steam tug	7	At Rangoon		Do. do.
90	Glenlee	British screw steamer.	2,650	Suez	Bombay (put into Colombo).	Do. 15th
91	Sakrio	British Indian	45	Bombay	Mangalore	Do. 16th

waters during the year 1914—*continued.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Opposite Bowreah Jute Mills	Hughli river	Collision with a country boat.—Unavoidable.	Water ballast	None lost.
Colombo	Ceylon coast	Cargo on fire and subsequent explosions.—Unknown.	Not reported.	Do.
James and Mary bar	Hughli river	Stranding.—Vessel's taking a sheer to starboard.	None lost	Do.
Munikholi crossing	Do. do.	Do. Tides and currents	Do.	Do.
Lat. 16° 22½′ N., long. 97° 23½′ E., Gulf of Martaban.	Burma coast	Do. do.	Do.	Do.
Fulta Point	Hughli river	Do. do.	Do.	Do.
Moyapur	Do. do.	Do. Vessel's taking a sheer to starboard.	Do.	Do.
Moyapur bar	Do. do.	Stranding.—Tides and currents	Do.	Do.
Munikholi crossing	Do. do.	Do. do.	Do.	Do.
Malwan channel	Bombay coast	Do. Breaking of a shackle of rudder chain.	No cargo	Do.
Off Satad	Do. do.	Sprung a leak.—Heavy weather	Partially damaged.	Do.
Malaki sand bank	Gulf of Cambay	Stranding.—Heavy weather	All lost	Do.
Nandgaum	Bombay coast	Do. do.	Partially lost	Do.
Off Wadhwan	Do. do.	Do. do.	No cargo	Do.
2 miles off Danda	Do. do.	Do. do.	Do.	Do.
Madras harbour	Madras do.	Struck by shell's fired presumably by German Cruiser *Emden*.	Not reported	1 life lost.
Near China Bakir light-house	Burma do.	Stranding.—Tides and currents	No cargo	None lost.
Bitano creek	Sind do.	Capsized.—Heavy weather	Partially lost and partially damaged.	Do.
Mora port entrance	Bombay do.	Stranding.—Heavy weather	All lost	Do.
Keamari	Sind do.	Fire.—Unknown	Partially damaged.	Do.
Ballari bar	Hughli river	Stranding.—Shoaling of the bar	None lost	Do.
Mahe river bar	Malabar coast	Do. Sudden stoppage of wind.	Do.	Do.
Trombay creek	Bombay do.	Do. Heavy weather	All lost	Do.
Lower Long Sand	Hughli river	Do. Error of the Pilot.	Water ballast	Do.
Mora	Bombay coast	Foundering.—Sprung a leak	None lost	Do.
Kantiajal	Gulf of Cambay	Stranding.—Error of the Tindal	Partially lost	Do.
About 8 miles off Baindur	Bombay coast	Damage to vessel.—Heavy weather	Partially lost and partially damaged.	Do.
Mahe bar	Malabar do.	Stranding.—Unavoidable.	None lost	Do.
Deserter's creek high light (Rangoon river).	Burma do.	Collision with the S. T. *Hlaing*.—Error of the Pilot of that vessel.	Partially damaged.	Do.
Do. do.	Do. do.	Do. with the S. S. *Ramapoora*.—Error of the Pilot.	No cargo	Do.
Lat. 17° 48′ N., long. 67° 58′ E.	Arabian sea	Tail shaft broken.—Unavoidable	In ballast	Do.
Mangalore harbour entrance	Malabar coast	Stranding.—Error of the Tindal	Partially lost	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
92	Quengui . . .	Native craft (Portuguese India)	37	Bombay . .	Mangalore . .	November 17th .
93	Blenmoor . . .	British screw steamer.	2,403	Moulmein .	Rangoon and Calcutta	Do. 20th .
94	Saraswati . . .	British Indian .	9	Malwan . .	Bombay . . .	December 7th .
95	Hakata Maru . .	Japanese twin screw steamer.	3,869	Calcutta . .	Rangoon and Kobe .	Do. 10th .
96	Ramban . . .	British Indian .	8	Panwel . .	Nhawa . . .	Do. 12th .
97	Haripraśad . . .	Do. do. .	23	Dantivra . .	Surat . . .	Do. 15th .
98	Hong Bee . . .	British screw steamer.	2,056	Amoy . .	Singapore and Rangoon.	Do. 18th .

waters during the year 1914—*concluded.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Mangalore harbour entrance	Malabar coast	Stranding.—Error of the Tindal	Partially lost.	None lost.
Calcutta	Hughli river	Fire.—Accidental	Partially damaged.	Do.
Off Dighodi	Bombay coast	Stranding.—Accidental	About all lost.	Do.
Koffree Sand	Hughli river	Do. Dense fog	None lost	Do.
Mouth of the Belapur creek	Bombay coast	Foundering.—Overloading	Partially lost.	Do.
Near Dumas	Gulf of Cambay	Stranding.—Force of the water.	All lost	Do.
Rangoon harbour	Burma coast	Collision with a cargo boat.—Not reported.	None lost	Do.

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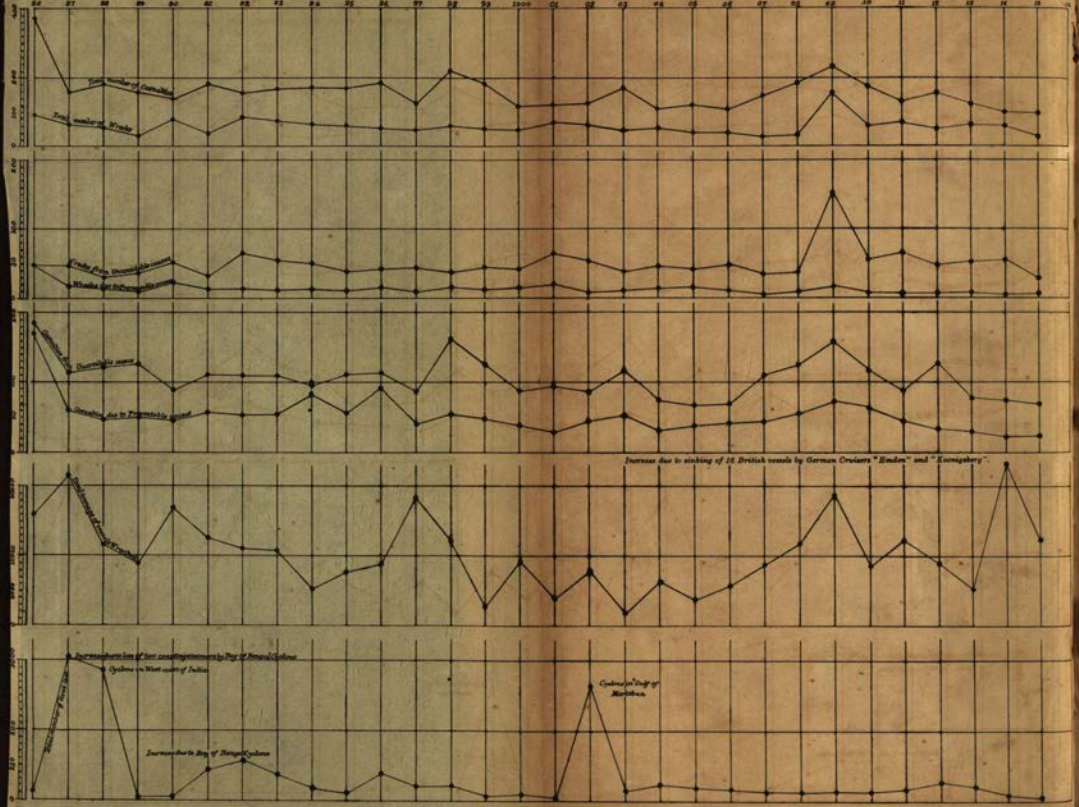
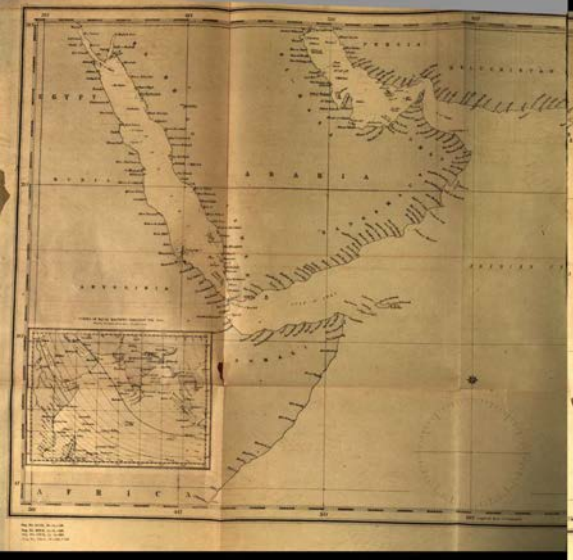
DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1915 inclusive.


Total number of Casualties
Total number of Wrecks
Wrecks from Unmanageable causes
Wrecks due to Foundering
Casualties due to Unmanageable causes
Casualties due to Foundering
Increase due to sinking of 16 British vessels by German Cruisers "Emden" and "Koenigsberg".
Total number of Lives lost
Cyclone on West coast of India
Increase due to loss of lives consequent upon the Bay of Bengal Cyclone
Increase due to Bay of Bengal Cyclone
Cyclone in Gulf of Martaban


PERSIA
ARABIA
AFRICA

HINDOSTAN
BAY OF BENGAL
WRECK CHART
OF THE
INDIAN OCEAN

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RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1915

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY YEARS

PREPARED BY

COMDR. D. F. VINES, R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1916

REVIEW.

SOME incidents of importance occurred in Indian Waters during the year 1915 amongst British and British Indian vessels.

1. The British S.S. "City of Mysore" on a voyage from Calcutta to Colombo with a crew of 71 hands and 4 passengers stranded on the 23rd February 1915 on the Komuriya reef on the coast of Ceylon. Two lives were lost and the vessel became a total wreck. The casualty was due to strong and unexpected currents prevailing at the time and the failure to observe the proximity of land.

2. The British Indian barge "Rangoon" with 7,500 tins of Petrol was in Bombay harbour; some 30 coolies were engaged to discharge the tins on to Sewri Bunder. When about 2,500 tins had been discharged an explosion occurred. The vessel was discovered to be on fire and was finally lost in the harbour at 11 A.M. on the 29th April 1915. Fifteen injured coolies were removed to the hospital of whom 6 subsequently died and the remains of a body were found on board. The crew escaped by jumping overboard. The cause of the accident is not known.

3. The British steam launch "Kartick" on the way from Calcutta to Chandbally *viâ* Coast Canal and Gewankhally experienced a strong southerly wind and heavy weather and came to an anchor in Fisherman's Reach, Hughli river, at 6-30 P.M. on the 25th May 1915. The wind increasing at about 8 P.M., the launch commenced shipping water, and before it was possible to get her under weigh, capsized and sank. Five lives were reported to have been lost. The accident is attributed to the launch being anchored in a Reach of the river exposed to the southerly winds and strong tides.

The number of reported Wrecks and Casualties embodied in this report aggregate 128, *viz.*, 31 Wrecks and 97 Casualties.

The Wrecks consist of 5 British, 1 Foreign, 21 British Indian vessels and 4 Native craft. The Casualties comprise 41 British, 9 Foreign, 32 British Indian vessels and 15 Native craft.

There are 2 Collisions, 11 Founderings, 16 Strandings and 2 Miscellaneous cases amongst the Wrecks. 12 Collisions, 4 Founderings, 53 Strandings and 28 Miscellaneous cases amongst the Casualties.

In a total of 31 Wrecks, 19 lives are reported to have been lost, and 1 life in the 97 Casualties, making a total of 20 lives during the year.

There are certain minor cases reported, but, being of little importance, have not been included in this Return.

The table "General locality" in which these Wrecks and Casualties occurred shows that the largest number, *viz.*, 26 occurred in the Hughli river, 26 on the Bombay and Goa coasts, 14 on the Kathiawar coast and in the Gulf of Cambay, 12 on the Burma coast, 11 on the Malabar coast, 9 on the Sind coast, 8 in the Palk Strait and Gulf of Manar, 7 in the Arabian Sea and Indian Ocean and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show:—(A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1915, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1915, inclusive; (D) a tabular statement of the wrecks; and (E) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1915, are also appended.

In conclusion, I desire to thank the various Marine Authorities in India and the Shipping Firms of Calcutta, for supplying me with particulars of the wrecks and casualties herein recorded.

DUNCAN F. VINES, *Comdr., R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1916.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British Vessels.												
Steam	...	...	...	2	80	6	2	7,113	2	...	...	...
Sailing	...	...	...	1	—(a)	...	...	...	...	...	...	...
British Indian Vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	65	1	7	387	1	11	528 (b)	...	1	90	7
Native Craft of all Nationalities.												
Sailing	...	...	...	1	48	...	2	58	...	1	29	2
Vessels of Foreign Nationalities.												
Steam	...	...	...	...	...	...	1	4,426	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	2	65	1	11	515	7	16	12,125	2	2	119	9
CASUALTIES.												
British Vessels.												
Steam	8	11,763	...	...	...	...	25	67,148	...	6	14,231	...
Sailing	2	602	...	...	...	...	...	...	...	...	...	...
British Indian Vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	73	...	3	114	...	16	918	1	11	270	...
Native Craft of all Nationalities.												
Sailing	...	...	...	1	163	...	4	84 (c)	...	10	740	...
Vessels of Foreign Nationalities.												
Steam	...	...	...	...	...	...	8	23,584	...	1	3,959	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	12	12,438	...	4	277	...	53	91,734	1	28	19,200	...
GRAND TOTAL	14	12,503	1	15	792	7	69	103,859	3	30	19,319	9

(a) Not including the tonnage of one British flat not given.
(b) Not including the tonnage of one British Indian vessel not given.
(c) Not including the tonnage of one Native craft not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1915, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.							Casualties.						
	British and Foreign Vessels.		British Indian Vessels.		Native Craft.		Total.	British and Foreign Vessels.		British Indian Vessels.		Native Craft.		Total.
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	34	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1915, inclusive.

Year.	Number of wrecks and casualties	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1901	189	4,980	22
1887	228	20,022	1,016(a)	1902	183	6,949(c)	831
1888	238	11,739(b)	917	1903	206	1,823(d)	50
1889	217	9,629	35	1904	164	6,095(e)	73
1890	214	16,973	22	1905	147	3,470(f)	86
1891	231	12,068	240	1906	172	5,545(g)	82
1892	230	10,410	272	1907	189	8,602(h)	70
1893	223	12,428	170	1908	225	11,768(i)	55
1894	234	5,180	81	1909	391	18,620(j)	69
1895	212	7,982	63	1910	242	8,280(k)	64
1896	243	8,147	168	1911	202	12,308(l)	74
1897	177	18,141	96	1912	219	9,165(m)	138
1898	257	11,979	75	1913	169	5,518(n)	98
1899	218	2,728	22	1914	157	55,149(o)	44
1900	169	9,140	34	1915	128	12,824(p)	20

From the foregoing it will be seen that during the past 30 years, *viz.*, from 1886 to 1915, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 217, the average total tonnage of vessels wrecked 11,435, and the average number of lives lost 169.

Notes.—(a) Does not include the number of lives supposed to be lost in the S.S. "*Lamport*."
(b) Not including the tonnage of one British Indian vessel and two Native craft not given.
(c) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(d) Not including the tonnage of three British Indian vessels not given.
(e) Not including the tonnage of one British flat and two Native craft not given.
(f) Not including the tonnage of three British and two British Indian vessels not given.
(g) Not including the tonnage of one British Indian vessel and four Native craft not given.
(h) Not including the tonnage of two British Indian vessels and two Native craft not given.
(i) Not including the tonnage of one British Indian vessel and two Native craft not given.
(j) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(k) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(l) Not including the tonnage of one British vessel and two British Indian vessels not given.
(m) Not including the tonnage of four British Indian vessels not given.
(n) Not including the tonnage of one British flat and three British Indian vessels not given.
(o) Not including the tonnage of three British vessels not given.
(p) Not including the tonnage of one British flat and one British Indian vessel not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	KATAVPRASAD	British Indian	37	Cochin	Ponani and Veraval	January 14th
2	LAXMIPRASAD	Do. do.	23	Kalyan	Bombay	Do. 17th
3	DARYA DOWLAT	Do. do.	15	Hungarkotta	Malpe	February 3rd
4	CARIMSHOY	Do. do.	45	Keti Bunder	Beyt	Do. 9th
5	LAXMIPRASAD	Do. do.	Unknown.	Broach	Mora	Do. 12th
6	CITY OF MYSORE	British screw steamer.	3,415	Calcutta	Colombo	Do. 23rd
7	PYANLIU	British Indian	51	Akyab	Chittagong	March 28th
8	MANIKPRASAD	Do. do.	18	Dehegam	Bhavnagar	Do. 31st
9	SALAMATI	Do. do.	23	Mora	Cannanore	April 3rd.
10	KANTHI	Do. do.	19	Bankot	Harnai	Do. 7th
11	MIRAPURE	Do. do.	2	Jungle Bambta.	Jungle Chah	Do. 12th
12	CARGO BOAT No. 12	Do. do.	28	Tavoy	Grindstone Island	Do. 13th
13	RANGOON	Do. do.	90	Bombay Harbour		Do. 29th
14	GANASHAPRASAD	Do. do.	87	Mora	Alleppi	May 8th
15	BALARAM	British steam launch.	50	Calcutta	Alba and Chandballi	Do. 10th
16	PARVATIPASSA	British Indian	83	Bombay	Calicut	Do. 10th
17	DARYA DOWLAT	Do. do.	54	Goa	Broach	Do. 10th
18	BENGALI	British flat	Not given	Calcutta	Colombo	Do. 17th
19	SAKERIO	Native craft	29	Mombasa	Lama and Kutch Mandvi.	Do. 22nd
20	KARTICK	British steam launch.	30	Calcutta	Chandballi	Do. 25th
21	LAKHMIPASSA	Native craft	48	Karachi	Salaya	Do. 31st
22	MAHOMED MOHIDIN MEERAN SAHIB HYDROSEE.	British Indian	197	Tuticorin	Colombo	June 15th
23	KHENGTI	Do. do.	16	Bhavnagar	Dehej	Do. 18th
24	NUBIA	British screw steamer.	3,698	Bombay	Colombo	Do. 20th
25	RUPAREE	Native craft	20	Bilimora	Bhavnagar	September 5th
26	EUPHRATE	French twin screw steamer.	4,426	Marseilles	Colombo and Djibouti	Do. 11th.
27	HARI PRASAD	British Indian	53	Malwan	Ponani	Do. 27th.
28	SUTTERAZ	Do. do.	175	Kaits	Negapatam and Akyab	October 15th
29	JAMNAPRASAD	Do. do.	43	Bombay	Mangalore	November 6th
30	LA BA	Do. do.	11	Moulmein	Karakpi and Ye	December 1st
31	LAXMIPASSA	Native craft	38	Dwarka	Bombay	Do. 28th

Waters during the year 1915.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
10 miles west of Kasargad	Malabar coast	Collision with a steamer.—Not reported.	All lost	One life lost.
Thana Creek	Bombay do.	Stranding.—Tides and currents	Do.	None lost.
Malpe bar	Malabar do.	Stranding.—Heavy weather	None lost	Do.
Centre of Hajamro bar	Sind coast	Stranding.—Cross winds and strong tides.	Partially lost.	Do.
Mohapur rock	Bombay coast	Stranding.—Heavy weather	All lost.	Do.
Komuriya reef	Ceylon do.	Stranding.—Tides and currents	Partially lost and partially damaged.	Two lives lost.
Near Cox Bazar	Chittagong coast	Foundering.—Heavy weather	All lost.	None lost.
Near Malpore	Gulf of Cambay	Foundering.—Tides and currents	Do.	Do.
North of Sindhudurg Fort, Malwan harbour entrance.	Bombay coast	Stranding.—Heavy weather	Do.	Do.
Mouth of the Anjarla creek	Do. do.	Stranding.—Tides and currents	Partially lost.	Do.
Near Get Syed Ali Mound, river Indus.	Sind coast	Foundering.—Heavy weather	All lost.	One life lost.
Off Grindstone Island, Tavoy river.	Burma do.	Collision with the propeller of the S.S. "Bulimba."—Error of the Tindal.	Do.	None lost.
Bombay Harbour	Bombay do.	Fire.—Explosion	Do.	Seven lives lost.
Off Alleppi Pier	Malabar do.	Foundering.—Heavy weather	Do.	None lost.
Brahmini river	Orissa	Do. Do. do.	No cargo	One life lost.
Beypore river entrance	Malabar coast	Stranding.—Heavy weather	All lost.	None lost.
Vasai Borsi	Gulf of Cambay	Do. Do. do.	Partially lost.	Do.
Lat. 13° 13′ N., Long. 84° 20′ E.	Bay of Bengal	Foundering.—Heavy gale	No cargo	Do.
Gosa Bora	Kathiawar coast	Capsized.—Heavy weather	Not reported.	Two lives lost.
Off Fisherman's Point	Hughli river	Foundering.—Anchoring in an unsafe Reach.	No cargo	Five lives lost.
Off Kabi (Mutni) mouth	Sind coast	Foundering.—Heavy weather	All lost	None lost.
Malli Island	Gulf of Manar	Stranding.—Heavy weather	Partially lost and partially damaged.	Do
Opposite Piram lighthouse	Do. Cambay	Do. Do. do.	No cargo	Do.
Off Colombo	Ceylon coast	Stranding.—Error of the Master	Partially lost and partially damaged.	Do.
Malakhi sand	Gulf of Cambay	Stranding.—Heavy weather	All lost	Do.
East coast of Sokotra Island	Arabian Sea	Stranding.—Deep fog and currents	Do.	Do.
Mangalore harbour entrance	Malabar coast	Stranding.—Tides and currents	No cargo	Do.
Off Cheduba Island	Burma do.	Foundering.—Error of the Serang and the crew.	All lost	Do.
About five miles off Jaygad outer lighthouse.	Bombay do.	Foundering.—Sprung a leak	Do.	Do.
Exact spot not reported	Bay of Bengal	Foundering.—Heavy weather	No cargo	Do.
Between Untra and Balej	Kathiawar coast	Stranding.—Breakdown of the helm	All lost	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Abasi	Native craft	11	Porbandar	Kutch Mandvi	January 7th
2	Glenlee	British screw steamer.	2,650	Calcutta	Rangoon	Do. 11th
3	Rahmani	Do. do.	1,873	Bombay	Calcutta	Do. 12th
4	Gujarat	Do. do.	2,868	Calcutta	Colombo and Durban	Do. 13th
5	Lotusmere	Do. do.	2,491	Newcastle	Calcutta and Madras	Do. 15th
6	Birma	Dutch screw steamer.	3,006	Sabang	Calcutta	Do. do.
7	Laxmiprasad	British Indian	30	Manor	Dantivra	Do. 17th
8	New Zealand Transport.	British screw steamer.	2,848	North Shields	Moulmein and Tondi	Do. 24th
9	Annapoorneshwari	British Indian	45	Coondapore	Mangalore	February 2nd
10	City of Exeter	British twin screw steamer.	3,950	Calcutta	London	Do. 3rd
11	Waroo	British Indian	6	Borlai	Revdanda and Thal	Do. 4th
12	Fejal Karim	Native craft	68	Cannanore	Bombay and Porbandar.	Do. 5th
13	Itola	British screw steamer.	3,402	Glasgow	Rangoon and Calcutta	Do. do.
14	Fateh Salamat	British Indian	60	Kutch Mandvi	Mangalore and Mombasa.	Do. 15th
15	Ali Madad	Native craft	163	Calicut	Porbandar	Do. 19th
16	Celebes	Dutch screw steamer	3,806	Sourabaya	Perim and Amsterdam	Do. 22nd
17	Kadaria	Native craft	Not given	Porbandar	Dwarka	Do. 26th
18	Rahmani	British screw steamer.	1,873	Calcutta	Bombay	March 1st
19	Sardar	Do. do.	1,240	Bombay	Linga and Bahrein	Do. 4th
20	Salamati	British Indian	190	Car Nicobar	Cochin	Do. 9th
21	Ramban	Do. do.	4	Going out to sea from Worli		Do. 9th
22	Ellora	British twin screw steamer.	2,567	Rangoon		Do. 15th
23	Sutlej	British screw steamer.	2,170	Calcutta	Aden and Chittagong	Do. 18th
24	Santhia	Do. do.	3,353	Rangoon	Calcutta	Do. 19th
25	Sulemani	British Indian	36	Going out for fishing at sea opposite Ratnagiri.		Do. 22nd
26	Lilavati	British screw steamer.	123	Panjim	Vengurla and Bombay	Do. 25th
27	San Francisco Xavier.	Do. do.	152	Do.	Do. do.	Do. do.
28	Pundit	Do. do.	3,362	Calcutta	Rangoon	April 6th

Waters during the year 1915.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Wisawada . . .	Kathiawar coast .	Stranding.—Unavoidable . .	Partially lost.	None lost.
Nynan Sands . . .	Hughli river . .	Do. Error of the Pilot .	None lost .	Do.
Jellingham Channel . .	Do. do. . .	Do. Do. . .	In ballast .	Do.
Belari bar	Do. do. . .	Do. Existence of a lump .	None lost .	Do.
Ennore shoal . . .	Madras coast . .	Do. Error of the Master .	Partially lost.	Do.
Near Pir Serang Crossing .	Hughli river . .	Do. Parting of the steering chain.	None lost .	Do.
Near Wadhiv bridge . .	Bombay coast . .	Do. Tides and currents .	All lost .	Do.
Off Tondi light . . .	Palk Strait . .	Do. Error of the Master .	None lost .	Do.
Mangalore harbour entrance .	Malabar coast . .	Capsized.—Unavoidable . . .	All lost .	Do.
Upper Balari bar . . .	Hughli river . .	Stranding.—Error of the Pilot .	None lost .	Do.
Near Revdanda creek entrance	Bombay coast . .	Do. Heavy weather . .	Do. .	Do.
Goa	Goa do. . .	Damage to vessel.—Heavy weather .	Partially lost.	Do.
Hooghly Point . . .	Hughli river . .	Stranding.—Vessel's taking a run against her helm.	None lost .	Do.
About 60 miles off Karwar .	Bombay coast . .	Sprung a leak.—Heavy weather .	Partially lost.	Do.
Tookda near Miani . .	Kathiawar coast .	Foundering.—Sprung a leak . .	Do. .	Do.
Squire Pt., Perim island .	Red Sea . . .	Stranding.—Heavy weather . .	None lost .	Do.
Near Kantelia . . .	Kathiawar coast .	Do. Tides and currents .	Partially lost.	Do.
Fulta Reach . . .	Hughli river . .	Do. Parting of port steering chain.	None lost .	Do.
Bahrein	Persian Gulf . .	Do. Error of the Master .	Do. .	Do.
Pamban channel . . .	Palk Bay . .	Do. Tides and currents .	Do. .	Do.
5 miles off Mardha . .	Bombay coast . .	Capsized.—Heavy weather . .	Do. .	Do.
D'Silva shoal, Rangoon river .	Burma do. . .	Stranding.—Accidental . . .	Do. .	Do.
Chittagong river . . .	Chittagong coast .	Do. Error of the Pilot .	Do. .	Do.
Hughli point . . .	Hughli river . .	Do. Accidental . . .	Do. .	Do.
Near Ratnagiri . . .	Bombay coast .	Collision with the S.S. "Kalinadi."—Non-exhibition of light.	No cargo .	Do.
Vengurla harbour . .	Do. do. . .	Do. with the S.S. "San Francisco Xavier."—Error of the Master and the Mate of that vessel.	Do. .	Do.
Do. do.	Do. do. . .	Do. with the S.S. "Lilavati."—Error of the Master and the Mate.	Do. .	Do.
Rangoon harbour . .	Burma do. . .	Do. with the S.S. "Havildar."—Rapid canting of the vessel	In ballast .	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
29	Havildar	British screw steamer.	3,086	Colombo	Rangoon and Calcutta	April 6th
30	Darya Dowlat	British Indian	3	Bassein	Jaigad	Do. do.
31	Cargo Boat No. 30	Do. do.	70	Tavoy	Tavoy Anchorage	Do. 7th
32	Latifshai	Native craft	26	Keti Bunder	Kutch Mandvi	Do 8th
33	Fultala	British screw steamer.	2,702	Rangoon	Negapatam	Do. 9th
34	Emamshoy	British Indian	13	Jungle Khatho	Keti Bunder and Karachi.	Do. 10th
35	Clan Macnab	British screw steamer.	2,952	Calcutta	Colombo and New York.	Do. 24th
36	Salamati	Native craft	3	Porbandar		Do. 30th
37	Laxamiprasad	British Indian	14	Bombay	Nawabandar	May 1st
38	Matmooli	Do. do.	26	Do.	Kalyan	Do. 2nd
39	Mary Immaculate	Do. do.	55	Dannshkodi	Talaimanar	Do. 4th
40	Jehangir	British screw steamer.	3,361	Aden	Bombay	Do. 9th
41	Bhavani	British Indian	29	Mangalore	Goa	Do. 11th
42	Kevdo	Native craft	113	Calicut	Bombay and Karachi	Do. do.
43	Nasaruminlalla	British Indian	74	Do.	Porbandar	Do. 13th
44	Bharata	British screw steamer.	1,957	Rangoon	Penang	Do. 18th
45	Alavi	Do. do.	2,324	Bombay	Karachi	Do. do.
46	Salamati	Native craft	65	Navibandar	Porbandar	Do. 19th
47	Kadir Bakas	British Indian	18	Revdanda	Bombay	Do. do.
48	Yomah	British screw steamer.	339	Information not obtainable		Do. 24th
49	Kyauktan	British brig	301	Rangoon Pilot vessel on Pilot Station		Do. do.
50	Cargo Boat No. 33	British Indian	31	Tuticorin	Kulasekarapatnam	Do. 27th
51	Baron Driesen	Russian screw steamer.	2,610	Vladivostok	Colombo and Hull	Do. 28th
52	Irismere	British screw steamer.	2,341	Rangoon	Calcutta	June 10th
53	Majalas	British Indian	91	Calicut	Karwar and Kutch Mandvi.	Do. 16th
54	Sanuki Maru	Japanese twin screw steamer.	3,821	Kobe	Rangoon and Calcutta.	July 15th
55	Allahmilai	British Indian	22	Keti Bundar	Karachi	Do. 18th
56	Chindwin	British screw steamer.	4,071	Glasgow	Aden and Rangoon	Do. 19th

Waters during the year 1915—*contd.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Rangoon harbour . . .	Burma coast . .	Collision with the S.S. "Pundit."—Rapid canting of that vessel.	In ballast .	None lost.
Off Borya point . . .	Bombay do. . .	Capsized.—Heavy weather . .	No cargo .	Do.
Off Insauk, Tavoy river .	Burma do. . .	Stranding.—Cross currents . .	Partially lost and partially damaged.	Do.
Between Khober and Kediwari mouths of the river Indus.	Sind do. . .	Sprung some leakage.—Heavy weather.	Partially lost .	Do.
Madras harbour . . .	Madras do. . .	Damage to propeller.—Unavoidable .	None lost .	Do.
Pitiani creek . . .	Sind do. . .	Turned on one side.—Heavy weather .	Partially lost and partially damaged.	Do.
Moyapur Reach . . .	Hughli river . .	Stranding.—Jamming of the steering gear.	None lost .	Do.
Porbandar creek . . .	Kathiawar coast .	Do. Tides and currents .	Do. .	Do.
Exact place not known . .	Arabian Sea . .	Capsized.—Heavy weather . .	All lost .	Do.
North side of Kalwa bridge .	Bombay coast . .	Stranding.—Tides and currents .	Do. .	Do.
Danushkodi Pier . . .	Palk Bay . .	Foundering.—Heavy weather . .	Partially damaged.	Do.
Lat. 12° 55′ N., long. 45° 49′ E.	Gulf of Aden . .	Collapse of furnaces in starboard boiler.—Error of the 2nd and the 3rd Engineers.	None lost .	Do.
Mangalore harbour entrance .	Malabar coast .	Stranding.—Tides and currents .	Partially lost .	Do.
Exact spot not known .	Arabian Sea . .	Damage to vessel.—Heavy weather .	Do. .	Do.
About 25 miles off Calicut .	Malabar coast .	Do. Do.	Do. .	Do.
Lat. 11° 26′ N., long. 96° 55′ E.	Burma do. .	Crank shaft broken.—Unknown .	Partially damaged.	Do.
Lat. 24° 34′ N., long. 67° 10′ E.	Sind do. .	Stranding.—Heavy weather . .	None lost .	Do.
Porbandar	Kathiawar do. .	Do. Do. .	No cargo .	Do.
Revdanda creek entrance .	Bombay do. .	Capsized.—Heavy weather . .	Partially lost and partially damaged.	Do.
Rangoon river entrance .	Burma do. .	Collision with the Pilot vessel "Kyauktan."—Error of the Pilot.	None lost .	Do.
Do. do. .	Do. do. .	Do. with the S.S. "Yomah."—Error of the Pilot of that vessel.	No cargo .	Do.
Near Trichandur . . .	Gulf of Manar .	Foundering.—Heavy weather .	Partially lost and partially damaged.	Do.
Ghubbet Binna . . .	Arabian Sea . .	Stranding.—Error of the Master .	Partially lost.	Do.
Fulta Point . . .	Hughli river .	Stranding.—Vessel's taking a sheer against her helm.	None lost .	Do.
Karwar	Bombay coast . .	Stranding.—Heavy weather . .	Partially damaged.	Do.
Hughli Point . . .	Hughli river . .	Stranding.—Error of the Pilot .	None lost .	Do.
Fito creek	Sind coast . .	Stranding.—Not reported . .	Partially lost and partially damaged.	Do.
Approaches to the Port of Rangoon.	Burma do. . .	Collision with the Pilot brig "Kyauktan."—Error of the Master.	None lost .	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
57	Kyauktan	British brig	301	Rangoon Pilot vessel on Pilot Station		July 19th
58	Sri Venkateswarlu	British Indian	28	Sarlagondi	Masulipatam	Do. 22nd
59	Champavati	Do. do.	1	Bassein	Versowa	Do. 25th
60	Titania	Norwegian screw steamer.	2,315	Massowah	Colombo and Calcutta.	Do. 30th
61	Edavana	British twin screw steamer.	2,686	Negapatam	Penang	August 1st
62	Sikh	British screw steamer.	3,288	Calcutta	Mandapam	Do. 3rd
63	Garryvale	British screw steamer.	2,455	Cardiff	Calcutta and Karachi	Do. 8th
64	Zoroastrian	Do. do.	2,585	Calcutta	Colombo	Do. 15th
65	Fook Sang	Do. do.	1,987	Shanghai	Penang and Calcutta.	Do. 16th
66	Ranee	Do. do.	3,634	Calcutta	Colombo	Do. 17th
67	Clan Macquarrie	Do. do.	3,152	Glasgow	Mauritius and River Plate Ports.	Do. 18th
68	Sildra	Norwegian screw steamer.	2,097	Calcutta	Bombay	Do. 19th
69	Saint Michael	British screw steamer.	2,418	Sunderland	Calcutta and Madras.	Do. 20th
70	Kum Sang	Do. do.	2,078	Kobe	Penang and Calcutta.	Do. 22nd
71	Cargo Boat No. 70	British Indian	37	Calicut		Do. 27th
72	Fatehshai	Do. do.	38	Keti Bundar	Karachi	September 2nd
73	Lily	Do. do.	44	Kayalpatnam	Tuticorin	Do. 18th
74	Indrawadi	British screw steamer.	3,361	Yokohama	Penang and New York.	Do. do.
75	Kalina	Do. do.	105	Bombay	Dharumter	Do. do.
76	Escort	Do. do.	55	Bombay harbour		Do. do.
77	Ceram	Dutch screw steamer.	2,732	Calcutta	Rangoon	Do. 28th
78	Mahalaxmi	British Indian	9	Jaitapur	Musakaji	October 1st
79	Hydri	Native craft	100	Biligiri	Porbandar	Do. 3rd
80	Sikandar	Do. do.	89	Karwar	Do.	Do. 4th
81	Dandolo	Italian screw steamer.	3,197	Madras	Calcutta and Genoa	Do. do.
82	Lakhamipasha	Native craft	49	Bombay	Veraval and Porbandar.	Do. 6th
83	Fathahool Bar	British Indian	54	Ponani	Bombay	Do. 7th
84	Kashiprasad	Do. do.	31	Broach	Mora	Do. 12th
85	Labhasawai	Do. do.	27	Bombay	Manori	Do. 13th
86	Fatekhair	Native craft	69	Katyb	Karachi and Porbandar.	Do. do.

Waters during the year 1915—*contd.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Approaches to the Port of Rangoon.	Burma coast	Collision with the S.S. "Chindwin."—Error of the Master of that vessel.	No cargo	None lost.
Mouth of the Sarlagondi river.	Madras do.	Foundering.—Tides and currents	All lost	Do.
Near Gorai	Bombay do.	Capsized.—Heavy weather	None lost	Do.
Fulta Point	Hughli river	Stranding.—Vessel's taking a sheer against her helm.	Do.	Do.
Lat. 9° 00′ N., long. 86° 01′ E.	Bay of Bengal	Blowing out of the stern gland packing of starboard Engine.—Heavy weather.	Do.	Do.
Mandapam Anchorage	Palk Strait	Stranding.—Error of the Master	Do.	Do.
Munikholi Sand	Hughli river	Stranding.—Heavy rain	Do.	Do.
Upper Balari bar	Do. do.	Do. Deterioration of the bar	Do.	Do.
Off Pir Serang Crossing	Do. do.	Do. Parting of the steering gear chain	Do.	Do.
Balari bar	Do. do.	Do. Deterioration of the bar	Do.	Do
Rangafulla Channel	Do. do.	Do. Do. do.	Do.	Do.
Balari bar	Do. do.	Do. Do. do.	Do.	Do.
Do. do.	Do. do.	Do. Do. do.	Do.	Do.
Sankrail sand	Do. do.	Do. Error of the Pilot	Do.	Do.
Near Calicut Anchorage	Malabar coast	Collision with a steamer.—Heavy weather.	Partially lost	Do.
Keti Bundar	Sind do.	Stranding.—Tides and currents	Partially lost and partially damaged.	Do.
Off Kayalpatnam	Gulf of Manar	Do. Heavy weather	All lost	Do.
Lat. 6° 20′ N., long. 77° 31′ E.	Indian Ocean	Fire.—Unavoidable	Partially lost and partially damaged.	Do.
Bombay harbour	Bombay coast	Collision with the S.S. "Escort."—Error of the Master of that vessel.	No cargo	Do.
Do. do.	Do. do.	Collision with the S.S. "Kalika."—Error of the Master.	Do.	Do.
Jarmakers Reach	Hughli river	Stranding.—Jamming of the steering gear.	None lost	Do.
Bokhle pier	Bombay coast	Stranding.—Tides and currents	No cargo	1 life lost.
Ratnagiri	Do. do.	Damage to vessel.—Heavy weather	Partially lost	None lost.
Exact spot not reported	Arabian Sea	Do. Do.	Do.	Do.
Balari bar	Hughli river	Stranding.—Existence of a lump	None lost	Do.
Exact spot not reported	Arabian Sea	Damage to vessel.—Heavy weather	Partially lost	Do.
Ponani	Malabar coast	Stranding.—Tides and currents	Partially lost and partially damaged.	Do.
Mohara	Gulf of Cambay	Capsized.—Heavy weather	All lost	Do.
Manori creek entrance	Bombay coast	Stranding.—Accidental	None lost	Do.
Jezirat Kais	Persian Gulf	Damage to vessel.—Heavy weather	Partially lost	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
87	Sultani	Native craft	120	Gwadar	Porbandar	Oct. 28rd
88	Katherria	British Indian	139	Karikal	Colombo	November 2nd
89	Pirpasha	Native craft	35	Mangalore	Porbandar	Do. 3rd
90	Meinam	French screw steamer.	3,959	Calcutta	Port Said and Marseilles.	Do. 7th
91	Har Singar	British Indian	125	Cutch	Mangalore and Calicut.	Do. 8th
92	Upada	British screw steamer	3,382	Java	Calcutta	Do. 20th
93	Manikprasad	British Indian	18	Billimora	Broach and Hansut	Do. 23rd
94	Ava	British screw steamer.	3,267	Glasgow	Suez and Rangoon	December 6th
95	Rupabel	British Indian	7	Bombay	Utan	Do. 8th
96	Fatehrehman	Native craft	76	Do.	Porbandar	Do. 20th
97	Sandip	British screw steamer.	164	Chandbally	Calcutta	Do. 21st

Waters during the year 1915—*concld.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Keti Bundar	Sind coast	Damage to vessel.—Heavy weather	Partially lost	None lost.
Pamban	Gulf of Manar	Stranding.—Error of the Pilot	None lost	Do.
Karwar	Bombay coast	Damage to vessel.—Heavy weather	Partially lost	Do.
Garden Reach, Calcutta	Hughli river	Fire.—Unknown	Partially damaged.	Do.
Beypur bar	Malabar coast	Stranding.—Error of the Tindal	Do.	Do.
Nurpur Flat	Hughli river	Stranding.—Vessel's failure to answer her helm.	None lost	Do.
Hansut, Narbudda river	Gulf of Cambay	Stranding.—Tides and currents	Partially lost and partially damaged.	Do.
D'Silva shoal, Rangoon river	Burma coast	Stranding.—Error of the Pilot	None lost	Do.
Near the Mud fort	Bombay do.	Capsized.—Error of the crew	Partially damaged.	Do.
Surat river bar	Gulf of Cambay	Damage to vessel.—Heavy weather	Partially lost	Do.
Off Hughli Point	Hughli river	Fire.—Spontaneous combustion	Partially damaged.	Do.

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
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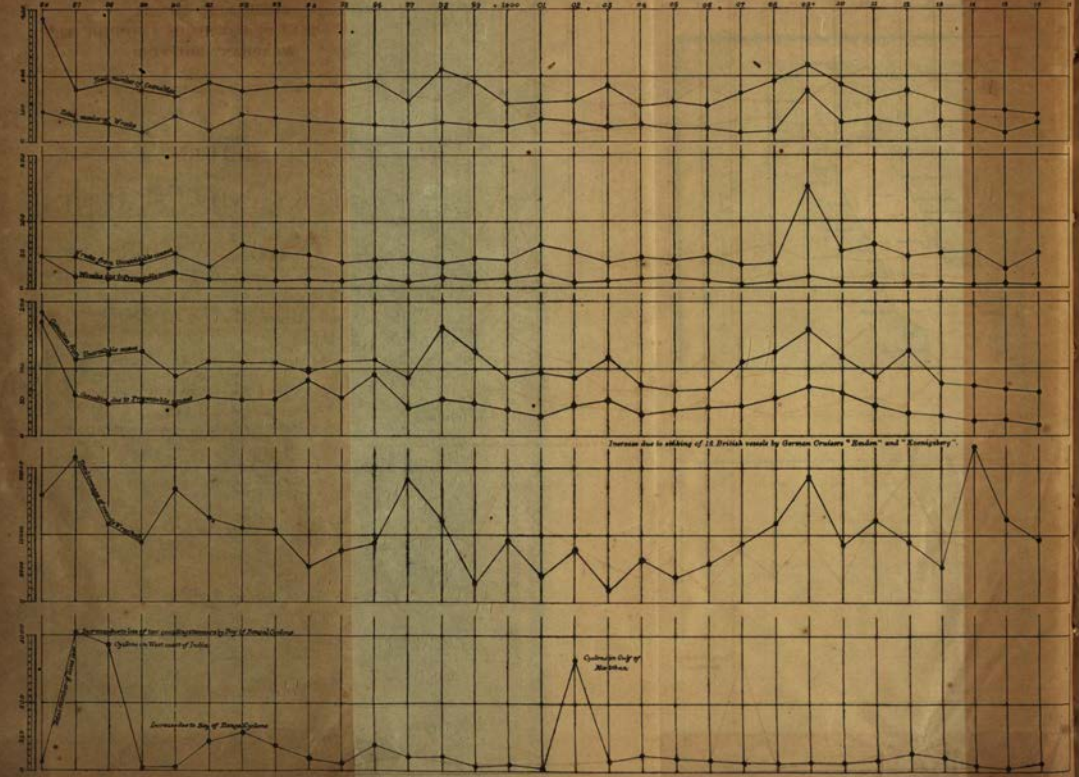
WRECK CHART
OF THE
INDIAN OCEAN
REFERENCE
ARABIA
AFRICA
HINDOSTAN

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1916 inclusive.


Total number of Casualties
Total number of Wrecks
Wrecks due to Foundering
Wrecks due to Stranding
Casualties due to Foundering
Casualties due to Stranding
Increase due to sinking of 13 British vessels by German Cruisers "Emden" and "Koenigsberg".
Total Tonnage of Vessels Wrecked
Total number of Lives lost
Cyclone in Bay of Bengal
Cyclone in West coast of India
Cyclone in Bay of Bengal
Cyclone in Gulf of Martaban

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1916

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-ONE YEARS

PREPARED BY

COMDR. D. F. VINES, R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

CALCUTTA

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1917

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REVIEW.

THE events of the year under review may not be taken as gratifying in comparison with those of the previous year, although the total tonnage lost is appreciably less, but the number of wrecks, as well as the loss of lives, are much greater.

The most lamentable occurrence during the year was the foundering of the steamer "Pobha," belonging to the River Steam Navigation Company, Limited, whilst she was on a voyage from Calcutta to Tezpur *viâ* Kharupatia with a crew of 21 hands, 29 passengers and mails. On the 4th May 1916 she was suddenly caught by a very violent north-west squall near Barsolaghat, Brahmaputra river, resulting in the loss of the vessel. Unfortunately there was a great loss of life and included 10 of the crew and 28 passengers. A Court of Enquiry was held at Tezpur and the opinion recorded was that the accident was due to a sudden heavy storm.

Another incident of importance was the foundering of the British Indian Brig "Mohamod Somadani," on the 6th May 1916 in lat. 22° 0½′ N., long. 91° 45½′ E. in the Bay of Bengal. She sailed from Akyab on the 2nd idem for Chittagong with a crew of 13 hands, but no news has since been heard of her. The Master of the S. S. "Zaida" however reported having passed a wreck in the above position, and it was supposed by the owner of the brig that the said wreck was his vessel in which case 13 lives appear to have been lost.

The next incident deserving of mention was the three empty flats "Cornwallis," "Ripon" and "Curzon" all belonging to The Irrawaddy Flotilla Company, Limited, Rangoon, which were struck by lightning at Kyauk Chaung, Rangoon river, on the 22nd July 1916, caught fire and were totally lost. In the conflagration one of the crew of the flat "Ripon" and 4 of the "Curzon" were reported to have been lost.

The number of reported wrecks and casualties incorporated in this Return aggregates 141, *viz.*, 59 wrecks, of which 12 are British and 37 British Indian vessels and 10 Native craft and 82 casualties, of which 32 are British and 39 British Indian vessels, 6 Native craft and 5 Foreign vessels.

Of the wrecks there are 3 collisions, 24 founderings, 25 strandings and 7 miscellaneous cases and the casualties consist of 11 collisions, 2 founderings, 51 strandings and 18 miscellaneous cases.

The number of lives lost was 59 only.

There are other trivial cases reported but being of no importance, they have not been included in this Return.

The wrecks and casualties aggregating 141 occurred in the different localities in Indian Waters, 40 of which occurred on the Bombay and Goa coasts, 22 in the Hughli river, 18 on the Malabar coast, 14 on the Sind coast, 13 on the Kathiawar and Okhamandel coasts and in the Gulf of Cambay, 11 on the Burma coast, 5 on the Madras coast and the rest in smaller number occurred in other parts of India.

The following analyses show: (A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1916, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1916, inclusive; (D) a tabular statement of the wrecks; and (E) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1916, are also appended.

I am much obliged to the various Marine Authorities in India and the Shipping Firms in Calcutta, for the assistance afforded in supplying me with particulars of the wrecks and casualties recorded in this Return.

DUNCAN F. VINES, *Comdr., R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1917.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British Vessels.												
Steam	1	69	...	5	(a) 120	33	2	4,575	...	...	...	...
Sailing	...	...	...	1	150	...	...	...	...	3	2,439	5
British Indian Vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	35	...	15	648	15	18	726	...	2	7	1
Native Craft of all Nationalities.												
Sailing	...	...	...	3	131	...	5	596	...	2	68	...
Vessels of Foreign Nationalities.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	3	104	...	24	1,049	53	25	5,897	...	7	2,514	6
CASUALTIES:												
British Vessels.												
Steam	8	15,296	...	...	...	...	20	59,074	...	4	11,190	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian Vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	214	...	2	34	...	26	776	...	2	230	...
Native Craft of all Nationalities.												
Sailing	...	...	...	...	...	...	1	37	...	5	376	...
Vessels of Foreign Nationalities.												
Steam	1	2,097	...	...	...	...	4	9,178	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	11	17,607	...	2	34	...	51	69,065	...	13	11,805	...
GRAND TOTAL	14	17,711	...	26	1,083	53	76	68,962	...	25	14,319	6

(a) Not including the tonnage of two British steam launches not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1916, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign Vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	35	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	34	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	34	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	..	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	..	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1916, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1902	183	6,949(*c*)	831
1887	228	20,022	1,016(*a*)	1903	206	1,823(*d*)	50
1888	238	11,739(*b*)	917	1904	164	6,095(*e*)	73
1889	217	9,629	35	1905	147	3,470(*f*)	86
1890	214	16,973	22	1906	172	5,545(*g*)	82
1891	231	12,068	240	1907	189	8,602(*h*)	70
1892	230	10,410	272	1908	225	11,768(*i*)	55
1893	223	12,428	170	1909	391	18,620(*j*)	69
1894	234	5,180	81	1910	242	8,280(*k*)	64
1895	212	7,982	63	1911	202	12,308(*l*)	74
1896	243	8,147	168	1912	219	9,165(*m*)	138
1897	177	18,141	96	1913	169	5,518(*n*)	98
1898	257	11,979	75	1914	157	55,149(*o*)	44
1899	218	2,728	22	1915	128	12,824(*p*)	20
1900	169	9,140	34	1916	141	9,564(*q*)	59
1901	189	4,980	22				

From the foregoing it will be seen that during the past 31 years, *viz.*, from 1886 to 1916, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 214, the average total tonnage of vessels wrecked 11,375 and the average number of lives lost 166.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S. S. *Lamport*.
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	AN UN-NAMED LIGHTER	British barge	150	Calcutta	Colombo	January 11th
2	DIPRO	Native craft	35	Keti Bundar	Beyt	Do. 16th
3	NOSA SINHORE DO ROSARIO.	Do. (Goa)	15	Bankot	Varoda and Newra	February 1st
4	FEULL KAL FEARAJ	Do. (Arabia).	160	Makkala	Dafar and Bombay	Do. 6th
5	JAYDEVI	British Indian	28	Janjira	Bombay	Do. 9th
6	NASERI	Native craft	238	Bombay	Gwadur and Basrah	Do. 10th
7	MACHIMAR ALIMADAT	British Indian	8	Murmagao	Jaitapur	Do. 15th
8	PARWATIPASHA	Native craft	7	Bombay	Porbandar and Jamnagar.	Do. 19th
9	BATHAMPTON	British screw steamer.	1,990	Middleston	Colombo and Calcutta	Do. 27th
10	DHANPRASAD	British Indian	22	Bhavnagar	Kavi	March 23rd
11	ABASHI	Do.	71	Porbandar	Bassein	Do. 28th
12	LAXMI	Do.	4	Fishing in the sea	off Purnagad	April 1st
13	HUSSANI	Native craft	56	Karachi	Jamnagar	Do. 2nd
14	SUTTERAJOOLOO	British Indian	132	Chittagong	Akyab	Do. 8th
15	DHANPRASAD	Do.	61	Calicut	Mahuwa	Do. 15th
16	KRISHNAPRASAD	Do.	25	Goa	Cannanore	Do. 16th
17	CARGO BOAT No. 158	Do.	57	Tavoy	Rangoon	Do. 20th
18	RATNAGIRI	Do.	20	Bhavnagar	Kavi and Chokari	May 4th
19	POBHA	British Island steamer.	100	Calcutta	Kharupatia and Tezpur.	Do.
20	MOHAMOD SOMADANI	British Indian	88	Akyab	Chittagong	Do. 6th
21	KUSHALCHAND	Do.	27	Trombay	Beypore	Do. 8th
22	PALKHI	Do.	22	Mora	Bombay and Ratnagiri.	Do. 18th
23	LAXMI	Do.	9	Bombay	Malwan	Do. 20th
24	CARIMSHAI	Do.	10	Karachi	Keti Bandar	Do. 23rd
25	DHANPRASAD	Do.	52	Bhavnagar	Billimora	Do. 29th
26	MAHAMED HADI	Do.	27	At anchor at Pier.	Calicut North	June 3rd
27	VITHAL PRASAD	Native craft (Goa)	68	Bombay	Panjim	Do. 4th
28	SUVALA SHEMSHER	British Indian	34	Panjim	Bombay	Do. 7th
29	VETHALPASA	Native craft	134	Karachi	Anjar	Do. 21st
30	SAKRIO	British Indian	2	Jungle Humbas.	Keti Bandar	Do. 24th
31	CORNWALLIS	British flat.	604	Yenangyaung	Rangoon	July 22nd
32	RIPON	Do.	918	Do.	Do.	Do.
33	CURZON	Do.	917	Do.	Do.	Do.
34	SOORIABAN	British Indian	85	Bombay harbour		August 1st

Waters during the year 1916.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 11° 45′ N., long. 84° 00′ E.	Bay of Bengal	Foundering.—Heavy weather	No cargo	None lost.
Opposite Seer mouth	Sind coast	Capsized.— Do.	All lost	Do.
Varoda creek entrance	Bombay coast	Stranding.— Do.	Partially lost and partially damaged.	Do.
Off Sasuvna	Do.	Do. Do.	About all lost	Do.
Off Kennery island	Do.	Foundering.— Do.	All lost	Do.
Near Kharg island	Persian gulf	Stranding.— Do.	Partially lost	Do.
Opposite Mora rocks	Bombay coast	Do. Do.	All lost	Do.
Miani Channel	Kathiawar do.	Foundering.— Do.	Do.	Do.
3 miles west of Hambantota lighthouse.	Ceylon do.	Stranding.—Error of the Master	Do.	Do.
Mahi river	Gulf of Cambay	Do. Tides and currents	Do.	Do.
Near the Bassein Bridge	Bombay coast	Do. Error of the Tindal	No cargo	Do.
Off Purnagad	Do. do.	Foundering.—Heavy weather	Do.	Do.
Near Ghodabari	Sind do.	Do. Do.	All lost	Do.
Karnafuli river	Chittagong do.	Do. Do.	Do.	Do.
Midway between Gujarat and Kathiawar coasts.	Gulf of Cambay	Do. Do.	Do.	One life lost.
Near Guzzerbetta	Malabar coast	Stranding.— Do.	Partially lost and partially damaged.	None lost.
Near Rangoon	Burma do.	Do. Do.	All lost	Do.
Near Chokari in Mahi river	Gulf of Cambay	Do. Do.	No cargo	Do.
Above Barsolaghat, Assam	Brahmaputra river	Foundering — Do.	All lost	Thirty-eight lives lost.
Lat. 22° 04′ N., long. 91° 45½′ E.	Chittagong coast	Do. Unknown	Do.	Thirteen lives lost.
Kalli	Malabar coast	Do. Heavy weather	Do.	None lost.
Between Bankot and Dabhol	Bombay do.	Do. Do.	In ballast	Do.
Off Palshet	Do. do.	Do. Do.	All lost.	Do.
Near Chan mouth of the river Indus.	Sind do.	Stranding.—Tides and currents	In ballast	Do.
Opposite Hajira lighthouse	Gulf of Cambay	Do. Heavy weather	No cargo	Do.
North of Calicut North Pier	Malabar coast	Do. Do.	Do.	Do.
Near Kochra Custom House	Goa do.	Foundering.— Do.	Partially lost and partially damaged.	Do.
Off Mitbao	Bombay do.	Stranding.— Do.	All lost	Do.
Between Hajamro and Tursian mouths, river Indus.	Sind do.	Do. Do.	About all lost	Do.
Near Raphutu	Do. do.	Foundering.— Do.	No cargo	Do.
Kyauk Chaung, Rangoon river	Burma coast	Fire.—Struck by lightning	Do.	Do.
Do. do.	Do. do.	Do. Do.	Do.	1 life lost.
Do. do.	Do. do.	Do. Do.	Do.	4 lives lost.
Bombay harbour	Bombay coast	Foundering.—Heavy weather	All lost	None lost.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
35	MAHASAGAR	Native craft	49	Bet	Karachi	August 18th
36	MANJI NASARAL MAJID	British Indian	163	Calicut	Bombay	September 8th
37	VESPER	British Inland Steamer.	69	Senhati	Khulna and Magura	Do. 18th
38	YESHWANTI	British Indian	3	Fishing in the sea off Jaitapur		Do. 20th
39	NEPTUNE	British steam launch.	Not given	Calcutta		Do. 21st
40	SIDESWARI	Do.	Do.	Plying in the Port of Calcutta		Do.
41	FERRY No. 1	Do.	9	Gouripore		Do.
42	Do. No. 2	Do.	11	Do.		Do. 22nd
43	ZOROASTRIAN	British screw steamer.	2,585	Calcutta	Rangoon	Do.
44	SREE VENKATESVARLU	British Indian	52	Cocanada	Akyab	Do. 25th
45	NAWALUL MAJID	Do.	85	Ponani	Port	Do. 28th
46	SAN JOSE	Native craft (Murmagao).	33	Murmagao	Mangalore	October 16th
47	GANAPATI PRASAD	British Indian	13	Calicut	Honawar	Do. 17th
48	GANGAPRASAD	Do.	43	Bulsar	Badagara	Do. 18th
49	NARANPRASAD	Do.	68	Bombay	Bhavnagar	Do. 23rd
50	SAINT FRANCIS	Do.	4	Bassein		Do. 24th
51	CARGO BOAT No. 306	Do.	43	Akyab	Chittagong	November 1st
52	Do. No. 290	Do.	46	Do.	Do.	Do. do.
53	LAXMI	Do.	6	Utan	Viziadurg	Do. do.
54	THAKORPRASAD	Do.	10	Broach	Gogha	Do. 2nd
55	CARGO BOAT No. 90	Do.	45	Chittagong	Akyab	Do. 9th
56	NARAYANPRASAD	Do.	6	Jaigad		Do. 27th
57	KESHO PRASAD	Do.	29	Cannanore	Bombay	Do. 29th
58	VIJLIPRASAD	Do.	4	Cambay	Kavi	December 28th
59	RATNAGIRI	Do.	12	Bhavnagar	Broach	Do. 29th

Waters during the year 1916.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
South of Ghoda Bari	Sind coast	Stranding.—Heavy weather	No cargo	None lost.
Alwedanda	Bombay do.	Do. Do.	Partially lost and partially damaged.	Do.
Khulna, Bhairub river	Sunderbans	Collision with the flat "Namdang."—Error of the Serang.	No cargo	Do.
Off Jaitapur lighthouse	Bombay coast	Capsized.—Heavy weather	Do.	1 life lost.
Calcutta	Hughli river	Foundering,— Do.	Do.	None lost.
Cossipur, Calcutta	Do.	Do. Do.	Do.	Do.
Gourepore	Do.	Do. Do.	Do.	Do.
Do.	Do.	Do. Do.	Do.	Do.
Nga Yot bay	Burma coast	Stranding.— Do.	All lost	Do.
Between Chittagong and Akyab.	Bay of Bengal	Foundering.— Do.	In ballast	Do.
Ponani	Malabar coast	Stranding.— Do.	Partially lost	Do.
6 miles west of Coondapur	Do.	Capsized.— Do.	No cargo	Do.
Kavvai	Do.	Stranding.— Do.	Partially lost	Do.
Near Kottakal bar	Do.	Foundering.— Do.	All lost	1 life lost.
Off Vansi Borsi	Gulf of Cambay	Stranding.— Do.	Partially lost	None lost.
Pasipir	Bombay coast	Do. Do.	No cargo	Do.
Near St. Martin's island	Burma do.	Foundering.— Do.	All lost	Do.
Do.	Do.	Do. Do.	Do.	Do.
Anjanwel Bar	Bombay do.	Do. Do.	No cargo	Do.
Bavli Danda, Narbuda creek	Gulf of Cambay	Stranding.—Tides and currents	All lost	Do.
Near Maungdaw	Burma coast	Do. Heavy weather	None lost	Do.
Opposite Harnai and Burondi	Bombay do.	Collision with a steamer. Rash steering of that vessel.	All lost	Do.
Lat. 13° 25½' N., long. 74° 24½' E.	Malabar do.	Collision with the S. S. "Oolobaria". Unavoidable.	Do.	Do.
Mahi river	Gulf of Cambay	Capsized.—Heavy weather	Do.	Do.
Near Lohara lighthouse	Do.	Stranding.—Tides and currents	Partially lost	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—CASUALTIES reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	KATYANIPRASAD	British Indian	4	Gangavalli	Belikeri	January 9th
2	FIROOZI	British screw steamer.	2,029	Calcutta	Colombo	Do. 18th
3	TENASSERIM	Do. do.	3,276	Glasgow	Rangoon and Moulmein.	Do. 23rd
4	MAHAGIRI SOWARI	British Indian	8	Paigaum	Bombay	Do. 24th
5	KAGA MARU	Japanese screw steamer.	3,997	Calcutta	Penang	Do. 31st
6	QUEEN	British screw steamer.	3,173	Glasgow	Alexandria and Madras.	February 1st
7	MADRAS	British steam dredger.	493	Madras harbour.		Do. do.
8	BHAWANI	British Indian	12	Belapur	Bombay	Do. 4th
9	LAKHMIPASSA	Native craft	138	Karachi	Porbandar	Do. do.
10	KAPUR	British screw steamer.	3,889	At Calcutta.		Do. 12th
11	NETRAVATI	British Indian	62	Bombay	Karanja and Mangalore.	Do. do.
12	LAXMI	Do. do.	5	Achra	Vizadurg	Do. do.
13	RUPAREL	Do. do.	50	Bombay	Broach	Do. 13th
14	GANESH MAHAMAYA PRASAD.	Do. do.	9	Tadri	Shirali	Do. 15th
15	RAJAH	British screw steamer.	3,634	Calcutta	Colombo	Do. 18th
16	MALLARD	Do. do.	87	Maungdaw	Chittagong	Do. 21st
17	NILLA	Do. do.	99	Chittagong	Maungdaw	Do. do.
18	BANESHWAR	British Indian	10	Honawar	Malwan	Do. 27th
19	CHANDRABAN	Do. do.	9	Belapur	Bombay	March 3rd
20	HANMANTPRASAD	Do. do.	2	Panwell	Nhawa	Do. 17th
21	MONGOLIAN	British screw steamer.	3,088	Colombo	Calcutta and New York.	Do. 22nd
22	RAMBAN	British Indian	12	Karanja	Mahul	Do. 29th
23	LAXMI	Do. do.	9	Bombay	Belapur	April 10th
24	CARIMSHAL	Do. do.	25	Bakhraro	Keti Bundar and Karachi.	Do. 12th
25	KERNGATI	Do. do.	10	Belapur	Trombay and Thana	Do. 14th
26	LAXMIPRASAD	Do. do.	13	Bombay	Kalyan	Do. 20th
27	BANGALA	British screw steamer.	1,935	Rangoon	Calcutta	Do. 21st
28	BHAWANI	British Indian	12	Tabja	Bombay	Do. 30th
29	DARIADOLAT	Native craft	36	Goa	Porbandar	May 9th
30	FATEHKHAIR	British Indian	20	Keti Bandar	Gizri Bandar and Karachi.	Do. 16th

Waters during the year 1916.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Gangavalli bar	Bombay coast	Foundering.—Weight of cargo reduced the buoyancy of the vessel.	Partially lost.	None lost.
Belari bar	Hughli river	Stranding.—Defective valve	None lost	Do.
Moulmein river	Burma coast	Do. Vessel's refusal to answer her helm.	Do.	Do.
Thana	Bombay do.	Stranding.—Tides and currents	Partially lost and partially damaged.	Do.
Liffey Lumps, Rangoon river	Burma do.	Do. Error of the Pilot	None lost	Do.
Madras harbour	Madras do.	Collision with the dredger "Madras." Error of the Engine Driver of that vessel.	Do.	Do.
Do. do.	Do. do.	Collision with the S. S. "Queen." Error of the Engine Driver.	No cargo	Do.
Elephanta	Bombay do.	Stranding.—Heavy weather	All lost	Do.
Chhar	Sind do.	Damage to vessel.—Heavy weather	Partially lost	Do.
Calcutta	Hughli river	Fire.—Unknown	Do.	Do.
Mora Port	Bombay coast	Sprung a leak.—Accidental	Do.	Do.
Off Deogad lighthouse	Do do.	Turned to one side.—Heavy weather	All lost	Do.
Malakhi sand	Gulf of Cambay	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Near Shirali bar	Bombay coast	Do. Do	All lost	Do.
Eastern Gut of Hooghly Point	Hughli river	Do. Formation of a lump	None lost	Do.
Off Nilla hills	Bay of Bengal	Collision with the S. S. "Nills." Error of the Master of that vessel.	Do.	Do.
Do. do.	Do. do.	Collision with the S. S. "Mallard." Error of the Master.	Do.	Do.
Redi creek	Bombay coast	Stranding.—Heavy weather	Partially lost.	Do.
Nhawa (Hog island)	Do. do.	Do. Contrary wind	All lost	Do.
Off Belapur	Do. do.	Capsized.—Heavy weather	No cargo	Do.
Off Fishermans Point Anchorage.	Hughli river	Stranding.—Unavoidable	None lost	Do.
Between Mora and Bombay	Bombay coast	Capsized.—Heavy weather	All lost	Do.
Panwel creek	Do. do.	Stranding.—Unavoidable	Do.	Do.
Kharyoon, river Phito	Sind do.	Collision with another vessel.—Not reported.	Partially lost	Do.
Thana creek	Bombay do.	Stranding.—Heavy weather	About all lost	Do.
Do. do.	Do. do.	Do. Tides and currents	Partially lost	Do.
Hooghly Point	Hughli river	Do. Vessel's refusal to answer her helm.	None lost	Do.
Panwel creek	Bombay coast	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Near Ratnagiri	Do. do.	Damage to vessel.—Heavy weather	Partially lost.	Do.
Phitto creek	Sind do.	Stranding.—Tides and currents	Partially lost and partially damaged.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
31	Favonian	British screw steamer.	1,957	Tellicherry	Marseilles and Middlesborough.	May 25th
32	Dunbar	Do. do.	2,357	Calcutta	Colombo	Do. 30th
33	Delhi	British Indian	38	At anchor at Calicut North Pier		June 3rd
34	Daria Bahadur	Do. do.	36	Do. do.	do. do.	Do. do.
35	Cargo boat No. 26	Do. do.	25	Do. do.	do. do.	Do. do.
36	Abdurasak	Do. do.	37	Do. do.	do. do.	Do. do.
37	Mombassa	British screw steamer.	2,950	Calcutta	London	Do. 8th
38	Padmawati	British Indian	10	Bombay	Mora	Do. 16th
39	Lalai	Do. do.	8	Jungle Bakharo.	Keti Bundar and Reri Bundar.	Do. do.
40	Cadrio	Do. do.	28	Jungle Bakhro	Do. do.	Do. 17th
41	Rahmani	British screw steamer.	1,873	Calcutta	Colombo	Do. 22nd
42	Benrinnes	Do. do.	3,067	London	Calcutta and Penang	Do. 25th
43	Fatehkhair	British Indian	20	J. Khatho	Keti Bundar and Karachi.	Do. 27th
44	Tenshin Maru	Japanese screw steamer.	2,479	Yokohama	Rangoon and Calcutta.	Do. 28th
45	Bavarian	British screw steamer.	1,950	Liverpool	Tellicherry and Marseilles.	Do. do.
46	Hanamet	American screw steamer.	2,073	Amoy	Penang and Rangoon	Do. —
47	Clan Mackellar	British screw steamer.	4,682	Calcutta	Mombassa	July 18th
48	Quiloa	Do. do.	4,942	Rangoon	Colombo	Do. do.
49	Sildra	Norwegian screw steamer.	2,097	Calcutta	Do.	Do. do.
50	Abdul Cadir Hamid Bux.	British Indian	174	Colombo	Valvettiturai	Do. 28th
51	Fathakul Babi	Do. do.	189	Point Pedro	Madras	August 11th
52	Thruster	British twin screw steamer.	115	Madras harbour		Do. do.
53	Clearway	British screw steamer.	2,417	Calcutta	Colombo	Do. 15th
54	Dunera	Do. do.	3,403	Busrah	Bombay	September 7th
55	Ganeshpasa	Native craft	81	Bombay	Porbandar	Do. 14th
56	Hild	Norwegian screw steamer.	719	Bangkok	Madras and Calcutta	Do. 16th
57	Danalakshmy	British Indian	53	Colombo	Valvettiturai	Do. 22nd
58	Paihamalsdia Kolesdam	Do. do.	10	Kiltan Divi	Mangalore	Do. 25th
59	Sabarmati	British screw steamer.	523	Karachi	Kutch Mandvi and Porbandar.	October 5th
60	Conch	Do. do.	3,542	Rangoon	Calcutta	Do. 12th
61	Conch	Do. do.	3,542	Do.	Do.	Do. 13th

Waters during the year 1916—*contd.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 12° 45′ N., long. 65° 50′ E.	Arabian sea	Fire.—Unknown	Not reported	None lost.
Sankral Reach	Hughli river	Stranding.—Jamming of the helm	None lost	Do.
North of Calicut North Pier	Malabar coast	Do. Heavy weather	No cargo	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Do. do.	Do. do.	Do. Do.	Do.	Do.
Madras harbour	Madras do.	Collision with breakwater.—Error of the Pilot.	None lost	Do.
Between Mora and Bombay	Bombay do.	Capsized.—Heavy weather	Partially lost	Do.
Near Dobba mouth of the river Indus.	Sind do.	Do. Do.	All lost	Do.
Hussenwah creek	Do. do.	Stranding.—Tides and currents	Partially lost	Do.
Fulta Reach	Hughli river	Do. Heavy weather	None lost	Do.
Gabtola Channel	Do. do.	Do. Formation of a lump	Do.	Do.
Passni creek	Sind coast	Do. Not reported	Partially lost and partially damaged.	Do.
Hooghly Point	Hughli river	Do. Vessel's taking a sheer against her helm.	None lost	Do.
Lat. 12° 31′ N., long. 44° 28′ E.	Gulf of Aden	Fire.—Unknown	Partially lost and partially damaged.	Do.
Mouth of the Rangoon river	Burma coast	Stranding.—Not reported	Not reported	Do.
Off Jarmaker's Reach	Hughli river	Do. Error of the Pilot	None lost	Do.
Colombo harbour	Ceylon coast	Collision with the S. S. "Sildra".—Heavy weather.	Not reported	Do.
Do. do.	Do. do.	Collision with the S. S. "Quiloa".—Heavy weather.	None lost	Do.
Pamban Channel	Gulf of Manar	Stranding.—Tides and currents	Do.	Do.
Outside Madras harbour	Madras coast	Collision with the S. S. "Thruster".—Error of the Pilot of that vessel.	In ballast	Do.
Do. do.	Do. do.	Collision with the brig "Fathakul Bari".—Error of the Pilot.	No cargo	Do.
Off Budge Budge	Hughli river	Stranding.—Trouble with the Engines.	None lost	Do.
Karachi harbour	Sind coast	Fire.—Spontaneous combustion	Do.	Do.
Bassein creek	Bombay do.	Damage to vessel.—Heavy weather.	Partially lost	Do.
Fulta Point	Hughli river	Stranding.—Tides and currents	None lost	Do.
Pamban Pass	Palk bay	Do. Error of the Master	In ballast	Do.
About 12 miles west of Verumal.	Malabar coast	Capsized.—Heavy weather	All lost	Do.
Lat. 22° 24½′ N., long. 68° 56′ 40″ E.	Okhamandel coast	Stranding.—Tides and currents	None lost	Do.
Above Fulta Point	Hughli river	Do. Do.	Do.	Do.
Gewankolly Flat	Do. do.	Do. Do.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
62	Rupawati	British Indian	30	Kalyan	Bombay	October 14th
63	Zaverpassa	Native craft	78	Calicut	Porbandar	Do. 16th
64	Mahalaxmi	British Indian	10	Tadri	Kumta	Do. 17th
65	Fathurrab	Do. do.	53	Ponnani	Bombay	Do. 19th
66	Parvathi Prasad	Do. do.	34	Kallayi	Beypore	Do. 30th
67	Rampasha	Native craft	43	Mangalore	Porbandar	November 1st
68	Labhsavai	British Indian	36	Goa	Broach	Do. 5th
69	Bangala	British screw steamer.	1,935	Calcutta	Rangoon	Do. 9th
70	Maidan	Do. do.	5,252	Do.	Dundee	Do. 10th
71	Franz Ferdinand	British (Prize) screw steamer.	3,906	Bombay	Karachi	Do. 22nd
72	Oolobaria	British screw steamer.	3,437	Do.	Rangoon	Do. 29th
73	Ramprasad	Native craft	37	Navasari	Porbandar	December 7th
74	Yashawanti	British Indian	6	Bombay	Karanja	Do. 8th
75	Ramchod	Do. do.	26	Plying within	Mora Port	Do. 9th
76	Guide	British twin screw steamer.	218	Calcutta	Pamban	Do. 13th
77	Barkathy	British Indian	115	Bombay	Mallipuram and Cochin.	Do. 18th
78	Bangala	British screw steamer.	1,935	Rangoon	Calcutta	Do. 19th
79	Mahamadi	British Indian	10	Dhuramtar	Karanja	Do. 25th
80	Laxmi	Do. do.	34	Mora	Thana	Do. 30th
81	Leghian	British screw steamer.	1,625	Vizagapatam	Middlesborough	Do. —
*82	Worsley Hall	Do. do.	2,238	Liverpool	Perim and East African Ports.	November 7th

* Received later.

Waters during the year 1916—*concld.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near the mouth of Ghatkapur creek.	Bombay coast . .	Foundering.—Heavy weather . .	All lost .	None lost.
Calicut	Malabar do. . .	Damage to vessel.—Heavy weather .	Partially lost	Do.
Kumta bar	Bombay do. . .	Stranding.—Heavy weather . .	Do. .	Do.
Mangalore	Malabar do. . .	Do. —Breaking of the upper pin of the rudder.	Partially lost and partially damaged.	Do.
Mahe river bar . . .	Do. do. . .	Stranding.—Heavy weather . .	Partially lost .	Do.
Kumta	Bombay do. . .	Damage to vessel.—Heavy weather .	Do. .	Do.
Near Lohara ligbthouse .	Gulf of Cambay .	Stranding.—Tides and currents .	Do. .	Do.
Mouth of Huldia river . .	Hughli river . .	Do. Error of the Pilot .	None lost .	Do.
Upper Bellari Bar . .	Do. do. . .	Do. Do. do. .	Do. .	Do.
Lat. 24° 17′ N., long. 67° 14′ E.	Sind coast . .	Do. Course altered too early .	Do. .	Do.
Lat. 13° 25½′ N., long. 74° 24½′ E.	Malabar coast . .	Collision with the vessel "Kesho Prasad."—Unavoidable.	Do. .	Do.
Malakhi Sand . . .	Gulf of Cambay .	Stranding.—Unavoidable . .	Partially lost .	Do.
Karanja creek . . .	Bombay coast . .	Capsized.—Error of the Tindal .	None lost .	Do.
Mora creek	Do. do. . .	Stranding.—Accidental . . .	Partially lost .	Do.
Poojali	Hughli river . .	Do. Defective steering gear .	None lost .	Do.
Cochin harbour . . .	Malabar coast . .	Fire.—Spontaneous combustion .	Partially lost and partially damaged.	Do.
Sankral Reach . . .	Hughli river . .	Stranding.—Foggy weather . .	None lost .	Do.
Near Karanja Barge . .	Bombay coast . .	Do. Error of the Tindal .	All lost .	Do.
Thana creek . . .	Do. do. . .	Do. Tides and currents . .	Partially lost .	Do.
Ras al Ara	Gulf of Aden . .	Do. Not reported . .	Not reported .	Do.
Djibouti Bay . . .	Do. do. . .	Do. Unavoidable . .	None lost .	Do.

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GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING.

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1917

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-TWO YEARS

PREPARED BY

CAPTAIN D. F. VINES, R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1918

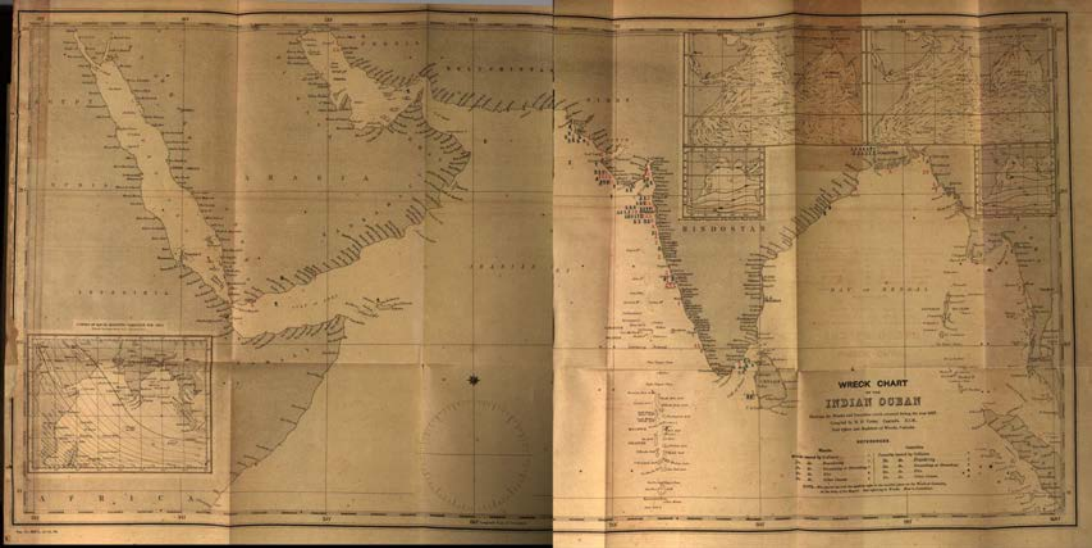
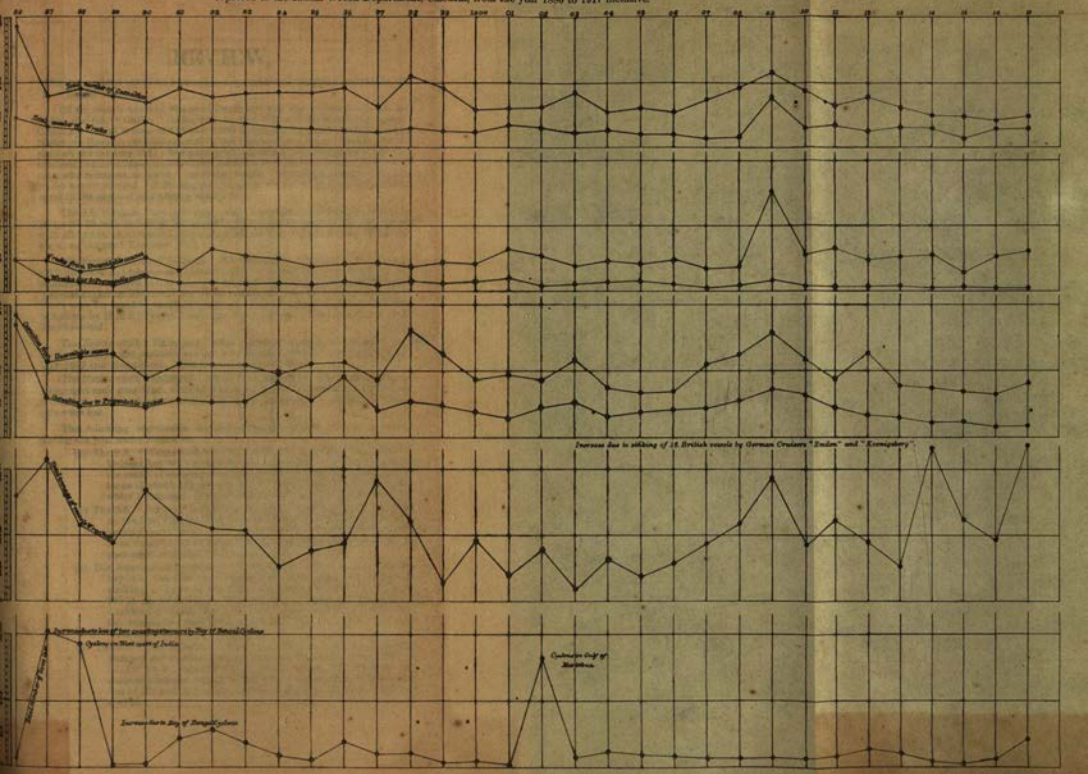

WRECK CHART
OF THE
INDIAN OCEAN
REFERENCES
HINDOSTAN
AFRICA

DIAGRAM.

Showing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1917 inclusive.


Total number of Casualties
Total number of Wrecks
Total Tons Steamships wrecked
Number lost by Foundering
Number lost by Fire
Number lost by Foundering
Number lost by Fire
Increase due to sinking of 18 British vessels by German Cruisers "Emden" and "Koenigsberg".
Number of Lives lost
Approximate loss of Life according to Bay of Bengal Cyclone
Cyclone in West coast of India
Number of Lives lost
Cyclone in Bay of Bengal
Cyclone in Gulf of Manitaban

REVIEW.

THE year 1917 shews an increase in the number of shipping casualties in Indian Waters.

Of the vessels wrecked, the most disastrous was the outbreak of fire on board the S.S. "Chilka" belonging to the British India Steam Navigation Company. With a crew of 115 and 1,683 Indian passengers on a voyage from Madras to Baruva, *viâ* Callingapatam, the vessel caught fire in Baruva Roadstead on the 1st July 1917. The passengers, panic-stricken, commenced jumping overboard and the Master, to save life, beached the vessel. About 1,700 persons, who remained on board, were landed safely. Out of 98 missing, 81 dead bodies were recovered. A Preliminary Enquiry held at Ganjam, attributed the cause to the cargo of coir having caught fire.

The S.S. "Jumna" on a voyage from Torrevieja to Calcutta *viâ* Port Said with 29 crew including Master and Officers is presumed to have been lost with all hands, as no intimation was received of her after passing Perim at 4 P.M. on the 22nd February 1917.

The French Steamer "Tadjoura" left Aden at 10 A.M. on the 29th July 1917 for Suez and foundered at 11-55 A.M. on the same day. The cause of the catastrophe is attributed to the sudden breaking of some rivets, and the iron plates thus being disjoined the vessel rapidly filled with water and sank. There were on board 31 hands of whom 27 were saved on rafts and finally picked up by H.M.S. "Perth" and the S.S. "Meyun", the remaining four were drowned.

The Native craft "Vithalpasa" *alias* "Albelo" while on a voyage from Mokla to Salaya met cyclonic weather near Khoria, Arabian Coast, on the 25th May 1917 and disappeared. The crew of seven were lost.

The Native craft "Rehmani" bound from Karachi to Jamnagar struck a submerged rock near Medi, Gulf of Kutch, on the 3rd November 1917 and was a total loss. She had a crew of 6 hands and 39 passengers of whom 10 passengers were lost.

The following regrettable incidents through striking mines occurred during the year under review:—

(*a*) The S.S. "Worcestershire", while on her way from Colombo to Delagoa bay with a crew of 143 hands and 22 passengers, sank as the result of striking a mine on the 16th February 1917 at a distance of about 12½ miles S. 49° W. (True) from Colombo Breakwater lighthouse. Two lives were reported to have been lost.

(*b*) The S.S. "Perseus" bound from Colombo to Penang struck a mine on the 21st February 1917, an explosion followed and she subsequently went down at a distance of about 11·4 miles N. 80° W. from Colombo Breakwater. There were on board 70 crew and 2 passengers of whom three lives were lost.

(*c*) The Japanese screw steamer "Unkai Maru" from Akyab to Bombay *viâ* Colombo was reported to have been lost through striking a mine on the 16th June 1917 in lat. 18° 37' N., long. 72° 21' E., off Bombay. The vessel had no passengers, and out of a crew of 39 hands, three lives were reported to have been lost, the remainder were picked up by the Norwegian steamer "Thordis" and landed at Bombay.

(*d*) The S.S. "City of Exeter" whilst on a voyage from Liverpool to Bombay *viâ* Durban, struck a mine on the 11th June 1917 in lat. 18° 40' N., long. 72° 30' E., about 20 miles off Bombay, and sustained serious damage to her hull. There was fortunately no loss of life and the vessel arrived safely at Bombay and was docked.

(*e*) The S.S. "Mongolia" with a crew of 330 hands, 140 passengers, mails and general cargo from London was sunk by striking a mine on the 23rd June 1917 in lat. 18° 12′ N., long. 72° 39′ E., off Bombay, resulting in the loss of 25 lives. The whole of her cargo was lost with the exception of a very few bags of mails which were subsequently recovered.

(*f*) The S.S. "Okhla" from Rangoon to Bombay struck a mine and foundered on the 29th July 1917 in lat. 18° 43½′ N., long. 72° 26′ E., in the approaches to Bombay. Nine lives out of 83 hands on board, as well as the whole of the cargo, were lost.

(*g*) Lastly, the recently constructed S.S. "Croxteth Hall" whilst on a voyage from Plymouth to Bombay *viâ* Karachi also struck a mine on the 17th November 1917 and was lost in lat. 18° 44½′ N., long. 72° 23½′ E., in the approaches to Bombay. Out of a total of 79 persons, 9 lives were lost.

Altogether the number of wrecks reported is 65 and casualties 96, making a total of 161 during the year.

Of the wrecks, 9 are British, 2 Foreign, and 41 British Indian vessels and 13 Native craft. Of the casualties, 25 British, 5 Foreign, and 37 British Indian vessels and 29 Native craft.

The wrecks consist of 1 Collision, 30 Founderings, 31 Strandings and 3 Miscellaneous cases The casualties comprise 8 Collisions, 6 Founderings, 45 Strandings and 37 Miscellaneous cases.

In a total of 65 wrecks, 111 lives are reported to have been lost and the 96 casualties are responsible for the loss of 103 lives.

There are certain other minor cases reported which are not of sufficient importance for inclusion in this Return.

The table "General Locality" in which these wrecks and casualties occurred, shows that the largest number, *viz.*, 50, occurred on the Bombay coast, 22 on the Kathiawar coast, 14 in the Gulf of Manar and on the Ceylon coast, 13 in the Hughli river, 12 on the Sind coast, 11 in the Gulf of Cambay, 6 on the Malabar coast, 6 on the Madras coast, 6 on the Burma coast and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show :—(A) the causes to which the reported wrecks and casualties are attributed ; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1917, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes ; (C) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1917, inclusive ; (D) a tabular statement of the wrecks ; and (E) a tabular statement of the casualties reported in Indian Waters during the year under review arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1917, are also appended.

In concluding this Review, I must thank the Marine Authorities in India and the Shipping Firms in Calcutta for their assistance and co-operation in obtaining the necessary information relating to the wrecks and casualties recorded herein.

DUNCAN F. VINES, *Captain, R.I.M.*,
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1918.

A.--Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British Vessels.												
Steam	1	275	...	7	23,807	77	1	3,050	1	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	20	(a)779	9	18	854	...	3	35	...
Native Craft of all Nationalities.												
Sailing	...	...	...	1	62	7	12	616	10	...	...	...
Vessels of Foreign Nationalities.												
Steam	...	...	...	2	1,452	7	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1	275	...	30	26,100	100	31	4,520	11	3	35	...
CASUALTIES.												
British Vessels.												
Steam	6	12,219	...	...	...	...	8	21,086	...	9	23,093	101
Sailing	...	...	...	...	...	...	2	2,685	...	...	...	...
British Indian Vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	211	...	6	288	...	23	1,656	...	6	67	2
Native Craft of all Nationalities.												
Sailing	...	...	...	...	...	...	7	303	...	22	1,087	...
Vessels of Foreign Nationalities.												
Steam	...	...	...	...	...	...	5	11,023	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	8	12,430	...	6	288	...	45	36,753	...	37	24,247	103
GRAND TOTAL ...	9	12,705	...	36	26,388	100	76	41,273	11	40	24,282	103

(a) Not including the tonnage of one British Indian [illegible]

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1917, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign Vessels.		British Indian Vessels.		Native Craft.			British and Foreign Vessels.		British Indian Vessels.		Native Craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	3	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	32	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	29	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	23	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	24	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	84	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	50	40	6	7	1	181
1911	3	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	3	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1917, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886 ...	442	15,402	105	1902 ...	183	6,949(*c*)	831
1887 ...	228	20,022	1,016(*a*)	1903 ...	206	1,328(*d*)	50
1888 ...	238	11,739(*b*)	917	1904 ...	164	6,095(*e*)	78
1889 ...	217	9,629	35	1905 ...	147	3,470(*f*)	86
1890 ...	214	16,973	22	1906 ...	172	5,545(*g*)	82
1891 ...	231	12,068	240	1907 ...	189	8,602(*h*)	70
1892 ...	230	10,410	272	1908 ...	225	11,768(*i*)	55
1893 ...	223	12,428	170	1909 ...	391	18,620(*j*)	69
1894 ...	234	5,180	81	1910 ...	242	8,280(*k*)	64
1895 ...	212	7,982	63	1911 ...	202	12,308(*l*)	74
1896 ...	243	8,147	168	1912 ...	219	9,165(*m*)	133
1897 ...	177	18,141	96	1913 ...	169	5,518(*n*)	98
1898 ...	257	11,979	75	1914 ...	157	55,149(*o*)	44
1899 ...	218	2,728	22	1915 ...	128	12,824(*p*)	20
1900 ...	169	9,140	34	1916 ...	141	9,564(*q*)	59
1901 ...	189	4,980	22	1917 ...	161	30,930(*r*)	214

From the foregoing it will be seen that during the past 32 years, *viz.*, from 1886 to 1917, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 213, the average total tonnage of vessels wrecked 11,986 and the average number of lives lost 167.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lamport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Ruparel	British Indian ...	23	Gajna ...	Kavi	January 26th ...
2	Cargo Boat No. 390 ...	Do. ...	32	Akyab ...	Chittagong ...	Do. — ...
3	Saint Antone ...	Do. ...	20	Bombay ...	Tadri and Honawar...	February 3rd ...
4	Worcestershire ...	British screw steamer.	4,480	Rangoon ...	Colombo and Delagoa bay.	Do. 16th ...
5	Cargo Boat No. 369 ...	British Indian ...	50	Akyab ...	Chittagong ...	Do. 20th ...
6	Perseus	British screw steamer.	4,299	Liverpool ...	Colombo and Penang	Do. 21st ...
7	Allemodat ...	British Indian ...	129	Porbandar ...	Karachi ...	Do. 22nd ...
8	Ruparel	Do. ...	27	Bhavnagar ...	Bombay ...	Do. 23rd ...
9	Chameli	Do. ...	5	Koperkherna ...	Do. ...	Do. 26th ...
10	Jumna	British screw steamer.	2,693	Torrevieja ...	Port Said and Calcutta.	Do. — ...
11	Cargo Boat No. 237 ...	British Indian ...	35	Akyab ...	Chittagong ...	March 8th ...
12	Dhunprasad ...	Do. ...	22	Surat ...	Bhavnagar ...	Do. 9th ...
13	Toe Bwa	Do. ...	30	Amherst ...	Moulmein ...	Do. 11th ...
14	Dolatsavai ...	Do. ...	19	Broach ...	Bhavnagar ...	Do. 24th ...
15	Thyriakamatchy ...	Do. ...	41	Quilon ...	Kaits	April 1st ...
16	Kallianprasad ...	Do. ...	114	Cochin ...	Bombay ...	Do. 13th ...
17	Navadi Ruparel ...	Do. ...	10	Bhavnagar ...	Bhatha and Sonrai ...	Do. do. ...
18	Harsingar ...	Do. ...	40	Cutch-Mandvi ...	Sirganda ...	Do. do. ...
19	Cargo Boat No. 308 ...	Do. ...	51	Chittagong ...	Akyab	Do. 23rd ...
20	Vijliprasad ...	Do. ...	45	Mahuva ...	Bombay ...	May 7th ...
21	Harsingar ...	Do. ...	Not given	Cutch-Mandvi ...	Seer	Do. 8th ...
22	Kanprasad ...	Native craft ...	13	Broach ...	Mahuva ...	Do. 10th ...
23	Ramprasad ...	British Indian ...	22	Mahuva ...	Bombay ...	Do. 13th ...
24	Annapurneshwariprasad.	Do. ..	29	Mangalore ...	Murmagao and Honawar.	Do. 19th ...
25	Barkhati ...	Do. ...	1		Tadri	Do. 25th ...
26	Hulpaprasad ...	Do. ...	32	Bombay ...	Ankola and Honawar	Do. do. ...
27	Vithalpasa (*alias* Albelo).	Native craft ...	62	Mokla ...	Salaya	Do. do ...
28	Dhanprasad ...	British Indian ...	7	Broach ...	Kavi	Do. 26th ...
29	Motmawli ...	Do. ...	10	Bankot ...	Jaitapur ...	Do. do. ...
30	Bhawaniprasad ...	Do. ...	33	Ratnagiri ...	Ara	June 3rd ...
31	Naranprasad ...	Native craft ...	26	Thanga ...	Mombasa and Cutch-Mandvi.	Do. 6th ...
32	Laxmi	British Indian ...	11	Mora ...	Kalyan	Do. 8th ...
33	Unkai Maru ...	Japanese screw steamer.	1,283	Akyab ...	Colombo and Bombay	Do. 16th ...

Waters during the year 1917.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Dolia creek	Gulf of Cambay ...	Capsized.—Tides and currents ...	Partially lost	None lost.
Off Naaf river	Burma coast ...	Foundering.—Unknown ...	All lost ...	6 lives lost.
Off Anjdiv island ...	Bombay do. ...	Do. Heavy weather ...	Do. ...	None lost.
S. 49° W. True from Colombo breakwater lighthouse, distance 12¼ miles.	Ceylon do. ...	Do. Struck a mine ...	Do. ...	2 lives lost.
Near Sundip	Chittagong do. ...	Do. Heavy weather ...	Do. ...	3 do.
About 11·4 miles N. 80° W. from Colombo breakwater.	Ceylon do. ...	Do. Struck a mine ...	Do. ...	3 do.
Between Khohar and Tursian	Sind do. ...	Stranding.—Heavy weather ...	No cargo ...	None lost.
Malakhi Sand	Gulf of Cambay ...	Do. Tides and currents ...	All lost ...	Do.
Thana creek	Bombay coast ...	Foundering.—Ignorance of thoroughfare.	Do. ...	Do.
Off Perim	Red Sea ...	Foundering.—Unknown ...	Do. ...	29 lives lost.
Cox's Bazar	Chittagong coast ...	Stranding.—Heavy weather ...	Do. ...	None lost.
Malakhi Sand	Gulf of Cambay ...	Do. Tides and currents ...	Do. ...	Do.
Mouth of the Salween river ...	Burma coast ...	Foundering.—Sprung a leak ...	Do. ...	Do.
Near Lohara light ...	Gulf of Cambay ...	Stranding.—Heavy weather ...	Partially lost	Do.
South side of Sheramudali Tivu.	Gulf of Manar ...	Foundering.—Heavy weather ...	Do. ...	Do.
Beypore bar	Malabar coast ...	Stranding.—Unavoidable ...	Partially lost and partially damaged.	Do.
Sonrai creek	Gulf of Cambay ...	Do. Heavy weather ...	All lost ...	Do.
Rodhawari	Sind coast ...	Foundering.—Heavy weather ...	Do. ...	Do.
Near Maungdaw	Burma do. ...	Do. Do. ...	Do. ...	Do.
Near Bassein	Bombay do. ...	Do. Do. ...	Do. ...	Do.
Seer harbour	Sind do. ...	Do. Do. ...	Do. ...	Do.
Near Kotada	Kathiawar do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Between Godhada and Mahuva	Do. do. ...	Foundering.—Sprung a leak ...	All lost ...	Do.
Honawar bar	Bombay do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Tadri creek bar	Do. do. ...	Capsized.—Heavy weather ...	No cargo ...	Do.
Do. do.	Do. do. ...	Stranding.—Unskilful navigation ...	Partially lost and partially damaged.	Do.
Near Khoria	Arabian do. ...	Foundering.—Heavy weather ...	No cargo ...	7 lives lost.
Opposite Lohara lighthouse ...	Gulf of Cambay ...	Stranding.—Heavy weather ...	All lost ...	None lost.
Bankot creek	Bombay coast ...	Do. Tides and currents ...	No cargo ...	Do.
Ara creek entrance ...	Do. do. ...	Do. Heavy weather. ...	In ballast ...	Do.
Mangrol	Kathiawar do. ...	Do. Do. ...	Partially lost	Do.
Trombay creek entrance ...	Bombay do. ...	Capsized.—Heavy weather ...	No cargo ...	Do.
Lat. 18° 37′ N., long. 72° 21′ E.	Do. do. ...	Foundering.—Struck a mine ...	All lost ...	3 lives lost.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
34	MONGOLIA	British twin screw steamer.	4,940	London ...	Aden and Bombay ...	June 23rd ...
35	OCEANO	British screw steamer.	3,050	Dunston ...	Port Said and Calcutta.	July 19th ...
36	NEELATHATCHI ...	British Indian ...	96	Valuvedditurai ...	Cocanada ...	Do. 28th ...
37	OKHLA	British screw steamer.	3,436	Rangoon ...	Bombay ...	Do. 29th ...
38	TADJOURA	French screw steamer.	169	Aden ...	Suez	Do. do. ...
39	NEPTUNE	British Inland steamer.	275	Sara Ghat ...	Goalundo ...	August 6th ...
40	HABIPASA	Native craft ...	62	Porbandar ...	Basra	Do. 25th ...
41	LAXAMIPASA ...	Do. do. ...	90	Rajpura ...	Karachi ...	Do. 26th ...
42	HASAMI	Do. do. ...	64	Salaya ..	Maskat ..	Do. do. ...
43	KHATANPASA ...	Do. do. ...	87	Karachi ...	Bet and Linga ...	Do. 27th ...
44	HURRI PRASAD ...	British Indian ...	35	Porbandar ...	Karachi ...	Do. 28th ...
45	CARGO BOAT No. 21 ...	Do. do. ...	19	Tavoy ...	Pe	September 1st ...
46	CARGO BOAT No. 8 ...	Do. do. ...	23	Do. ...	Mergui ...	Do. 7th ...
47	YESHWANTY ...	Do. do. ...	9	Bombay harbour	...	Do. 27th ...
48	LABHSAVAI	Native craft ...	35	Mangalore ...	Bombay ...	Do. 30th ...
49	LABHSAWAI	Do. do. (Diu)	20	Bombay ...	Dabhol	October 11th ...
50	RAMPRASAD	British Indian ...	35	Do. ...	Mangalore ...	Do. 19th ...
51	GANESH PRASAD ...	Do. do. ...	158	Cochin ...	Bombay ...	Do. 24th ...
52	DABIADOLAT ...	Native craft ...	36	Porbandar ...	Do. ...	Do. 25th ...
53	DABIADOLAT ...	Do. do. ...	78	Bombay ...	Maskat ...	Do. do. ...
54	FATEMARI SATPURUSHPRASAD.	Do. do. (Goa)	68	Chapora ...	Nova Goa ...	Do. do. ...
55	GUIDE	British twin screw steamer.	218	Calcutta ...	Hookitolla ...	November 2nd...
56	REHMAN	Native craft ...	37	Karachi ...	Jamnagar ...	Do. 3rd ...
57	CARGO BOAT No. 10 ...	British Indian ...	67	Akyab ...	Chittagong ...	Do. 15th ...
58	BAHADUR SALAMATHY HAMSA.	Do. do. ...	47	Calicut ...	Bombay and Munambom.	Do. 17th ...
59	PORT ARTHUR ...	Do. do. ...	47	Do. ...	Do. do. ...	Do. do. ...
60	CROXTETH HALL ...	British screw steamer.	3,741	Plymouth ...	Karachi and Bombay	Do. do. ...
61	SEI AHAHALANARA SUBHASWAMY.	British Indian ...	23	Seralagondi ...	Masulipatam ...	December 5th ...
62	SALAMATI	Do. do. ...	54	Basra ...	Karachi ...	Do. 20th ...
63	RATNAGIRI	Do. do. ...	128	Karachi ...	Basra	Do. do. ...
64	DARYADOULAT ...	Do. do. ...	16	Ghoga ...	Bombay ...	Do. 29th ...
65	KANPRASAD	Do. do. ...	73	Onjal ...	Porbandar ...	Do. 30th ...

Waters during the year 1917—*concld.*

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 18° 12′ N., long. 72° 39′ E.	Bombay coast ...	Foundering.—Struck a mine ...	All lost ...	25 lives lost.
Lat. 7° 05′ N., long 72° 46½′ E.	Maldive islands ...	Stranding.—Tides and currents ...	Do. ...	1 life lost.
Near Polavaram	Madras coast ...	Do. Accidental	No cargo ...	None lost.
Lat. 15° 43½′ N., long. 72° 26′ E.	Pombay do. ...	Foundering.—Struck a mine ...	All lost ...	9 lives lost.
Off Aden	Gulf of Aden ...	Do. Unavoidable ...	Do. ...	4 do.
Sara	Ganges river ...	Collision with the Hardinge bridge.—Tides and currents.	Partially lost and partially damaged.	None lost.
Navibandar	Kathiawar coast ...	Stranding.—Heavy weather ...	All lost ...	Do.
Do.	Do. do. ...	Do. Do. ...	Partially lost	Do.
Off Madhavpur	Do. do. ...	Do. Do. ...	All lost ...	Do.
Gorsor	Do. do. ...	Do. Do. ...	Partially lost	Do.
Lat. 20° 4′ N., long. 71° 55′ E.	Off Gulf of Cambay...	Foundering.—Heavy weather ...	All lost ...	Do.
Off the mouth of the Kanyin-chaung river.	Burma coast ...	Do. Do. ...	In ballast ...	Do.
Off Kanatheri, Tavoy river ...	Do. do. ...	Do. Do. ...	All lost ...	Do.
Bombay harbour	Bombay do. ...	Foundering.—Error of the 2nd Engineer of the S.S. "Kedlung".	No cargo ...	Do.
Gubagar bar	Do. do. ...	Stranding.—Heavy weather ...	All lost ...	Do.
Dabhol bar	Do. do. ...	Do. Do. ...	Partially lost	Do.
Off Oyster rocks, Karwar ...	Do. do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
Near Sashihithe	Malabar do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Goga	Kathiawar do. ...	Do. Do. ...	All lost ...	Do.
Do.	Do. do. ...	Do. Do. ...	Partially lost	Do.
Malwan port entrance ...	Bombay do. ...	Do. Do. ...	No cargo ...	Do.
False Point outer anchorage ...	Orissa do. ...	Foundering.—Sprung a leak ...	Do. ...	Do.
Medi	Gulf of Kutch ...	Stranding.—Unavoidable ...	Partially lost	10 lives lost.
Near Shonadia	Chittagong coast ...	Foundering.—Heavy weather ...	All lost ...	None lost.
Palliport	Malabar do. ...	Stranding.—Heavy weather ...	Do. ...	Do.
Do.	Do. do. ...	Do. Do. ...	Do. ...	Do.
Lat. 18° 44¼′ N., long. 72° 23¼′ E.	Bombay do. ...	Foundering.—Struck a mine ...	Do. ...	9 lives lost.
Off Masulipatam ...	Madras do. ...	Stranding.—Accidental ...	Partially lost ..	None lost.
Near Bushire	Persian Gulf ...	Foundering.—Heavy weather ...	No cargo ...	Do.
About 30 miles off Bushire ...	Do. do. ...	Do. Do. ...	All lost ...	Do.
Near Jutara	Bombay coast ...	Stranding.—Heavy weather ...	Do. ...	Do.
Off Maroli	Do. do. ...	Foundering.—Sprung a leak ...	Do. ...	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Singaporean ...	British screw steamer.	830	Bombay ...	Calcutta and Singapore.	January 1st ...
2	Nathaban	British Indian ...	30	Quilandi ...	Calicut ...	Do. 6th ...
3	Janaki	Do. do. ...	35	Plying in the Shewa creek		Do. 7th ...
4	Hameed	Do. do. ...	124	Adirampatam ...	Beruwala ...	Do. do. ...
5	Suryaban	Do. do. ...	13	Satpati ...	Bombay ...	Do. 9th ...
6	Puranpasha ...	Native craft ...	30	Samta Bunder ...	Porbandar ...	Do. 11th ...
7	Fatehkarim ...	Do. do. ...	28	Porbandar ...	Cutch-Mandvi ...	Do. 14th ...
8	Vithal Prasad ...	British Indian ...	22	Bombay ...	Chiplun ...	Do. 24th ...
9	Haripersad ...	Do. do. ...	23	Bhiwandi ...	Bombay ...	Do. 29th ...
10	Zaverpasha ...	Native craft ...	75	Karachi ...	Cutch-Mandvi and Bombay.	February 7th ...
11	Laxamiprasad ...	British Indian ...	12	Bombay ...	Satputi	Do. 18th ...
12	Putli	Do. do. ...	8	Bandra (Sub-port of Danda) ...		Do. 21st ...
13	Ranshoor ...	Do. do. ...	7	Do.	do. ...	Do. do. ...
14	Ban Ho Liong ...	Dutch screw steamer.	501	Penang ...	Moulmein ...	Do. 22nd ...
15	Badeni	Native craft ...	23	Cutch-Mandvi ...	Keti Bandar ...	March 3rd ...
16	Glenetive	British screw steamer.	3,322	Kidderpore Docks (Calcutta) ...		Do. 5th ...
17	Laxmiprasad ...	British Indian ...	27	Bhavnagar ...	Bombay ...	Do. 11th ...
18	Baliraj	Do. do. ...	20	Plying within the limits of the Mora Port.		Do. do. ...
19	Mombisalamati ...	Native craft ...	31	Samta ...	Porbandar ...	Do. 13th ...
20	Vetty Valauthan ...	British Indian ...	87	Kaits ...	Quilon	Do. 16th ...
21	Saldanha	British screw steamer.	2,950	Townsville ...	Calcutta ...	Do. 21st ...
22	Ruparel	British Indian ...	21	Bombay ...	Manori	Do. 23rd ...
23	Ramprasad ...	Do. do. ...	32	Dahanu ...	Bandra	Do. 24th ...
24	Shahzada ...	British screw steamer.	1,404	Calcutta ...	Chittagong ...	Do. 26th ...
25	Dariadolat ...	Native craft ...	36	Jodiya ...	Karachi ...	April 9th ...
26	Laxmiprasad ...	Do. do. ...	65	Bombay ...	Aden	Do. 10th ...
27	Fatemebabak ...	British Indian ...	14	Karawa ...	Trombay ...	Do. 11th ...
28	Lallai	Do. do. ...	10	Jungle Kotri ...	Karachi ...	Do. 24th ...
29	Sundararaja Vijeya-letchmey.	Do. do. ...	199	Adirampatam ...	Colombo ...	Do. 25th ...
30	Dhanprasad ...	Native craft ...	33	Umbergam ...	Jafrabad and Porbandar.	Do. 29th ...

Waters during the year 1917.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Eastern Gut bar ...	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	None lost.
Elatur Cape	Malabar coast ...	Do. Error of the Tindal ...	Partially lost and partially damaged.	Do.
Front of Shewa Barge, Mora Port.	Bombay do. ...	Sprung a leak.—Struck against a stump of wood or iron.	Partially lost	Do.
Pamban Pass	Gulf of Manar ...	Stranding.—Tides and currents ...	None lost ...	Do.
Off Arnalla Fort	Bombay coast ...	Capsized.—Heavy weather ...	All lost ...	Do.
Outside Porbandar creek ...	Kathiawar do. ...	Stranding.—Shallow water ...	Partially lost	Do.
Sakarkada	Do. do. ...	Do. Heavy weather ...	Do. ...	Do.
Branch of the Shewa creek ...	Bombay do. ...	Foundering.—Vessel being old and overloaded.	All lost ...	Do.
Near Vitawe	Do. do. ...	Stranding.—Tides and currents ...	Partially lost and partially damaged.	Do.
Kuchadi	Kathiawar do. ...	Do. Heavy weather ...	Partially lost	Do.
Off Satputi	Bombay do. ...	Do. Error of the Tindal ...	All lost ...	Do.
Off Danda	Do. do. ...	Do. Non-exhibition of Municipal light.	No cargo ...	Do.
Do.	Do. do. ...	Do. Do.	Do. ...	Do.
Moulmein river	Burma do. ...	Do. Unavoidable ...	None lost ...	Do.
Off Kahar mouth ...	Sind do. ...	Damage to vessel.—Heavy weather ...	Do. ...	Do.
Kidderpore Docks, Calcutta ...	Hughli river ...	Fire.—Fusing of an electric wire ...	Not reported	Do.
Opposite Dandi	Gulf of Cambay ...	Foundering.—Tides and currents ...	All lost ...	Do.
In the creek near Dabji-chekharat Salt Work, Taluka Uran.	Bombay coast ...	Stranding.—Accidental	Partially lost	Do.
Exact spot not known ...	Arabian Sea ...	Damage to vessel.—Heavy weather ...	Do. ...	Do.
Off Kurisadi island ...	Gulf of Manar ...	Stranding.—Tides and currents ...	Partially damaged.	Do.
Gasper Sands	Hughli river ...	Do. Error of the Master ...	None lost ...	Do.
Kasa rocks	Bombay coast ...	Do. Tides and currents ...	No cargo ...	Do.
Near Gungwada bar ...	Do. do. ...	Do. Heavy weather ...	Partially lost	Do.
Moyapore bar	Hughli river ...	Do. Error of the Pilot ...	None lost ...	Do.
Ghodabari	Sind coast ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Sokotra	Arabian sea ...	Do. Do. ...	Do. ...	Do.
Between Nhawa and Karawa...	Bombay coast ..	Foundering.—Heavy weather ...	All lost ...	Do.
Keti Bandar	Sind do. ...	Stranding.—Tides and currents ...	Partially lost and partially damaged.	Do.
Pamban Channel... ...	Gulf of Manar ...	Do. Do. ...	None lost ...	Do.
30 miles off Jafrabad ...	Kathiawar coast ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.

E.—CASUALTIES reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
31	SAWAI SALAMATHY ...	British Indian ...	107	Bombay ...	Cochin	April 30th ...
32	TADJOURA	French screw steamer.	169	Mashah Island ...		Do. — ...
33	SAWAIMADAT ...	Native craft ...	52	Mangalore ...	Porbandar ...	May 2nd ...
34	SARASWATI	British Indian ...	8	Antora ...	Bombay ...	Do. 5th ...
35	SALAMATI	Native craft ...	69	Karachi ...	Porbandar ...	Do. 6th ...
36	CYCLE	British screw steamer.	2,579	Port Said ...	Colombo and Calcutta.	Do. 9th ...
37	BENGALI	Do. do. ...	3,626	Calcutta ...	Dundee ...	Do. 11th ...
38	NABANPASHA ...	Native craft ...	68	Karachi ...	Porbandar ...	Do. 16th ...
39	LAXMIPASSA... ...	Do. do. ...	53	Bombay ...	Hinggam and Basra	Do. 17th ...
40	SUI SANG	British screw steamer.	1,776	Calcutta ...	Rangoon ...	Do. 18th ...
41	MANAR	British steam dredger.	285	Employed on mine sweeping duties, Madras.		Do. 23rd ...
42	NILLA	British screw steamer.	100	Madras ...	Petrol duty ...	Do. do. ...
43	SUI SANG	Do. do.	1,776	Calcutta ...	Rangoon ...	Do. 28th ...
44	SAKARIO	Native craft ...	30	Chiplon ...	Salaya	Do. 30th ...
45	LAXMIPASHA ...	Do. do. ...	57	Muramgad ...	Cutch Mundra ...	Do. 31st ...
46	BERWINDVALE ...	British screw steamer.	3,296	Tarakan ...	Colombo and Bombay.	June 9th ...
47	CITY OF EXETER ...	British twin screw steamer.	5,987	Liverpool ...	Durban and Bombay	Do. 11th ...
48	DOMINGO DE LARRINAGA	British screw steamer.	2,651	Karachi ...	Port Said ...	Do. 15th ...
49	MISRI	British Indian ...	10	Jungle Kadirno.	Jungle Khatha and Karachi.	Do. 26th ...
50	MANICA	British screw steamer.	2,621	At Colombo.		Do 27th ...
51	WILLIAM MITCHELL ...	British sailing ship.	1,885	Maryport ...	Durban and Rangoon.	July 2nd ...
52	FATEHKHAIR ...	British Indian ...	18	Jungle Palkhi ...	Ghizri and Karachi	Do. 9th ...
53	MARGARET HANEY ...	British auxiliary ship.	800	Vancouver ...	Balik Papan and Bombay.	Do 26th ...
54	LADY MCCALLUM ...	British twin screw steamer.	531	Colombo ...	Galle	August 15th ...
55	POONA	Do. do. ...	4,878	Calcutta ...	Colombo and London	Do. 21st ...
56	KASUMBA	Native craft ...	64	Salaya ...	Bet and Basra ...	Do. 26th ...
57	SUGALPASA	Do. do. ...	75	Jamnagar ...	Bet and Dwarka ...	Do. 28th ...
58	SAHOOL HAMIDO ...	British Indian ...	137	Colombo ...	Tuticorin ...	Do. 30th ...
59	VALLINAYAGHU ...	Do. do. ...	217	Valvedditurai ...	Colombo ...	Do. 31st ...
60	SARIPASSA	Native craft ...	47	Porbandar ...	Karachi ...	September 1st ...

Waters during the year 1917—*contd.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Cochin bar	Malabar coast ...	Stranding.—Accidental	Partially damaged.	None lost.
Mashah island	Gulf of Aden ...	Do. Not reported ...	Not reported	Do.
Near Rajapur lighthouse ...	Bombay coast ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Off Rewas Pier	Do. do. ...	Do. Do. ...	No cargo ...	Do.
Near Chhar	Sind do. ...	Do. Do. ...	Partially lost	Do.
Fort Mornington flat ...	Hughli river ...	Stranding.—Unavoidable ...	None lost ...	Do.
Moyapur bar	Do. do. ...	Do. Vessel's refusal to answer her helm.	Do. ...	Do.
Midway between Karachi and Porbandar.	Arabian Sea ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
30 or 40 miles off Hinggam ...	Persian Gulf ...	Do. Do. ...	Do. ...	Do.
Centre Saugor flat buoy ...	Hughli river ...	Collision with the centre Saugor flat buoy.—Error of the Pilot and the Chief Officer.	Water ballast	Do.
17 miles off Madras harbour ...	Madras coast ...	Collision with the S.S. "Nilla."—Error of the Master of that vessel.	No cargo ...	Do.
Do. do. ...	Do. do. ...	Collision with the dredger "Manar."—Error of the Master.	Do. ...	Do.
Munikholi Crossing ...	Hughli river ...	Damage to Engines.—Unknown ...	Water ballast	Do.
Near Chorwad	Kathiawar coast ...	Damage to vessel.—Heavy weather....	Partially lost and partially damaged.	Do.
Outside Porbandar creek ...	Do. do. ...	Stranding.—Heavy weather ...	Partially lost	Do.
Bombay harbour ...	Bombay do. ...	Collision with the Alexandra Dock wall.—Heavy weather. ...	None lost ...	Do.
Lat. 18° 40′ N., long. 72° 30′ E.	Do. do. ...	Serious damage to vessel.—Struck a mine.	Do. ...	Do.
Exact spot not reported ...	Gulf of Oman ...	Sprung a leak.—Corrosion ...	Do. ...	Do.
Tikia	Sind coast. ...	Stranding.—Unavoidable ...	All lost ...	Do.
Colombo harbour... ...	Ceylon do. ...	Bursting of the auxiliary stop valve in forward boiler.—Unavoidable.	No cargo ...	2 lives lost.
Lat. 4° 28′ N., long. 73° 38′ E.	Maldive islands ...	Stranding.—Tides and currents ...	In ballast ...	None lost.
Phitto creek near Keti Bunder	Sind coast ...	Foundering.—Heavy weather ...	Partially damaged.	Do.
Lat. 18° 37′ N., long. 72° 50′ E.	Bombay do. ...	Stranding.— Do. ...	None lost ...	Do.
Colombo harbour ...	Ceylon do. ...	Fire.—Explosion	Partially lost and partially damaged.	1 life lost.
Munikholi sand	Hughli river ...	Stranding.—Tides and currents ...	None lost ...	None lost.
Madhavpur	Kathiawar coast ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Near Chorwad	Do. do. ...	Do. Do. ...	Partially lost and partially damaged.	Do.
Tuticorin harbour ...	Gulf of Manar ...	Stranding.—Error of the Tindal ...	Partially damaged.	Do.
Pamban channel	Do. do. ...	Do. Tides and currents ...	None lost ...	Do.
Off Gholwad	Bombay coast ...	Stranding.—Loss of helm and being without crew.	Partially lost and partially damaged.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
61	Ganeshpasa ...	Native craft ...	24	Veraval ...	Diu and Nova Goa ...	September 4th ...
62	Rahimany	British Indian ...	172	Pamban ...	Maldives ...	Do. 7th ..
63	Popatpasa	Native craft ...	39	Bombay ...	Porbandar and Basra	Do. 13th ...
64	Firoozi	British screw steamer.	2,029	Calcutta ...	Singapore ...	Do. 16th ...
65	Renfrew	Do. do. ...	2,441	Genoa ...	Suez and Karachi ...	Do. 19th ...
66	Haidros Salamati ...	British Indian ...	2	Fishing in the sea off Gangawalli ...		Do. 24th ...
67	Keelung	British screw steamer.	4,279	Birkenhead ...	Delagoa bay and Bombay.	Do. 27th ...
68	Hejaz	Do. do ...	2,483	In Bombay Dock ...		Do. do. ...
69	Fatekhee	Native craft ...	56	Bombay ...	Porbandar ...	October 3rd ...
70	Ram Madad ...	Do. do. ...	59	Do. ...	Do. ...	Do. do. ...
71	Conde	French screw steamer.	4,537	Marseilles ...	Suez and Karachi ...	Do. 6th ...
72	Riouw	Dutch screw steamer.	4,728	Sourabaya ...	Samarang and Calcutta.	Do. 7th ...
73	Doni Haidros Salamati	British Indian ...	3	Gangavalli ...		Do. 8th ...
74	Shee Ramamoorthy ...	Do. do. ...	91	Masulipatam ...	Pamban and Colombo	Do. 16th ...
75	Somasundaram ...	Do. do. ...	120	Valvettiturai ...	Pamban and Beruwala.	Do. do. ...
76	Sowai Madad ...	Native craft ...	30	Bombay ..	Veraval ...	Do. 20th ...
77	Ramprasad ...	Do. do.	54	Karachi ...	Porbandar ...	Do. do. ...
78	Meenatchee Sundaram	British Indian ...	177	Cocanada, ...	Pamban and Colombo	Do. 21st ...
79	Sikandar	Native craft ...	84	Bombay ...	Porbandar ...	Do. do. ...
80	Laxmipasa ...	Do. do. ...	28	Goa ...	Do. ...	Do. 22nd ...
81	Fate Khee ...	Do. do ...	66	Porbandar ...	Bombay ...	Do. 23rd ...
82	Ransoor	British Indian ...	6	Mora ...	Do. ...	Do. 24th ...
83	Mahagiri Janki ...	Do. do. ...	35	Do. ...	Thana	Do. do. ...
84	Manik Prasal ...	Do. do. ...	24	Bombay ...	Kumbharu ...	Do. 25th ...
85	Gulabpasa... ...	Native craft ...	42	Porbandar ...	Bombay ...	Do. do. ...
86	Alibag	Do. do. ...	37	Zanzibar ...	Porbandar and Bombay.	Do do. ...
87	Anten	Swedish screw steamer.	1,088	Calcutta ...	Colombo and New York.	Do. 27th ...
88	Bulimba	British screw steamer.	1,607	Rangoon ...	Gopalpore and Calcutta.	November 2nd
89	Umvuma	Do. do. ...	2,791	Calcutta ...	Colombo ...	Do. 7th
90	Hujini	British Indian ...	264	Akyab ...	Chittagong ...	Do. 14th
91	Sardari	Do. do. ...	31	Thana ...	Mora	Do. 18th
92	Sawai	Do. do. ...	26	Keti Bandar ...	Karachi... ...	December 5th ...
93	Ramprasad	Native craft ...	35	Bombay ...	Porbandar ...	Do. 22nd
94	Shivprasad ...	British Indian ...	56	Murmagao ...	Cutch-Mandvi ...	Do. 27th
95	Eripprassad	Do. do. ...	34	Bombay ...	Veraval... ...	Do. 29th
96	Chilka	British twin screw steamer.	2,157	Madras ...	Callingapatam and Baruva.	July 1st ...

Waters during the year 1917—*concld.*

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Dabhol bar	Bombay coast ...	Stranding —Heavy weather ...	No cargo ...	None lost.
Pamban	Gulf of Manar ...	Foundering.— Do. ...	All lost ...	Do.
Near Porbandar	Kathiawar coast ...	Damage to vessel.—Do. ...	Partially lost	Do.
Garden Reach	Hughli river ...	Stranding.—Parting of the Port steering chain.	None lost ...	Do
Lat. 12° 38′ N., long. 46° 32′ E.	Gulf of Aden ...	Fire.—Spontaneous combustion ...	Do. ...	Do.
Gangawalli creek bar ...	Bombay coast ...	Capsized.—Heavy weather ...	No cargo ...	1 life lost.
Bombay	Do. do. ...	Collision with the S.S. "Hejaz."—Error of the 2nd Engineer.	None lost ...	None lost.
Do.	Do. do. ...	Collision with the S.S. "Keelung."—Error of the 2nd Engineer of that vessel.	Do. ...	Do.
Bandra	Do. do. ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Surat bar	Gulf of Cambay ...	Do. Do. ...	Do. ...	Do.
Lat. 24° 37′ N., long. 67° 34′ E.	Sind coast ...	Stranding.—Unavoidable ...	In ballast ...	Do.
Balari bar	Hughli river ...	Do. Formation of a lump ...	None lost ...	Do.
Gangavalli creek bar ...	Bombay coast ...	Capsized.—Heavy weather ...	No cargo ...	Do.
Off Rameshwaram island ...	Gulf of Manar ...	Collision with another vessel "Somasundaram."—Error of the Master of that vessel.	None lost ...	Do.
Do. do. ...	Do. do. ...	Collision with another vessel "Sree Ramamoorthy."—Error of the Master.	Do. ...	Do.
Surat bar	Gulf of Cambay ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Ghoda Chhor	Sind coast ...	Do. Do.	Do. ...	Do
Puma Channel	Gulf of Manar ...	Stranding.—Error of the Master ...	None lost ...	Do.
Surat bar	Gulf of Cambay ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Near Diu	Kathiawar coast ...	Do. Do. ...	Do. ...	Do.
Mangrol	Do. do. ...	Do. Do. ...	Do. ...	Do.
Mora creek	Bombay do. ...	Capsized.—Heavy weather ...	No cargo ...	1 life lost.
Off Trombay wharf ...	Do. do. ...	Foundering.— Do. ...	All lost ...	None lost.
Vesawa creek	Do do. ...	Stranding.— Do. ...	No cargo ...	Do.
Gosa	Kathiawar do. ...	Do. Do. ...	All lost ...	Do.
About 50 miles of Bombay ...	Bombay do. ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Garden Reach	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	Do.
Off Gopalpore	Madras coast ...	Fire.—Spontaneous combustion ...	Partially damaged.	Do.
Above Kulpi Anchorage ...	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	Do.
Mouth of the Chittagong river	Chittagong coast ...	Do. Heavy weather ...	All lost ...	Do.
Navikhadi creek	Bombay do. ...	Do. Tides and currents ...	Partially lost and partially damaged.	Do.
Near Keti Bandar ...	Sind do. ...	Do. Shallow water ...	About all lost	Do.
Wanak Bara	Kathiawar do. ...	Damage to vessel.—Heavy weather ...	Partially lost	Do.
Front of Korlai Fort ...	Bombay do. ...	Stranding.—Heavy weather ...	All lost ...	Do.
Near Arnalla Fort ...	Do. do. ...	Do. Do. ...	Partially lost	Do.
Baruva	Madras do. ...	Fire.—Accidental	Unknown ...	98 lives lost.

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1918

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-THREE YEARS

PREPARED BY

CAPTAIN D. F. VINES, O.B.E., R.I.M.
PORT OFFICER AND REGISTRAR OF WRECKS

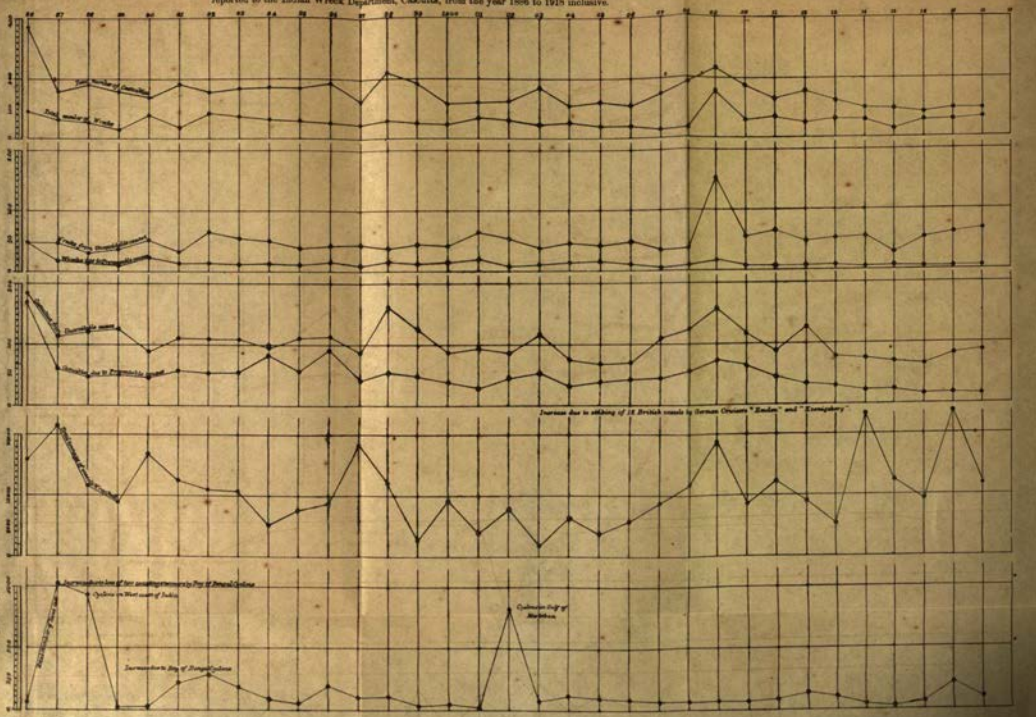
CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
1919

ARABIA
AFRICA

HINDOSTAN
WRECK CHART
OF THE
INDIAN OCEAN
REFERENCES

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1918 inclusive.


Total number of Casualties
Total number of Wrecks
Total Tons Steam vessels lost
Total Tons Sailing vessels lost
Total number of Lives lost
Number lost in Bay of Bengal
Number lost in Arabian Sea
Increase due to sinking of 18 British vessels by German Cruisers "Emden" and "Exmouth".
Total number of Casualties
Increase due to Cyclone in Bay of Bengal
Increase due to Cyclone on West coast of India
Cyclone Gulf of Manitaban

REVIEW.

THE reports received in connection with the Wrecks and Casualties that occurred in Indian Waters during the year 1918, show that there are altogether 74 Wrecks and 99 Casualties.

Amongst the Wrecks there are 4 British, 1 Foreign, 58 British Indian vessels and 11 Native craft. The Casualties comprise 20 British, 5 Foreign, 66 British Indian vessels and 8 Native craft.

The Wrecks are due to 2 Collisions, 21 Founderings, 44 Strandings and 7 Miscellaneous cases. There are 5 Collisions, 21 Founderings, 54 Strandings and 19 Miscellaneous cases amongst the Casualties.

In a total of 74 Wrecks, 71 lives were reported to have been lost, while amongst the 99 Casualties, 20 lives were lost, making a total of 91 lives.

The most lamentable disaster was the S.S. "Kum Chow" of 1,450 tons which left Rangoon on the 4th December 1918 with a cargo consisting chiefly of timber, piglead and sleepers for Basra *via* Colombo and Bombay but has not been heard of since. The Masters of vessels passing through the Bay of Bengal were instructed to keep a sharp look-out for the vessel but no trace of her whatever has been discovered, even in the shape of wreckage. It is presumed that she encountered cyclonic weather and foundered somewhere in the Bay of Bengal with all hands numbering 56.

The S.S. "Ayuthia" of the Burmah Oil Company, Limited, Rangoon, when at Hastings Moorings, Rangoon river, on the 7th February 1918 was partially loaded with a cargo of petrol in drums and lubricating oil in casks. An explosion occurred setting the vessel on fire which subsequently sank. Fortunately there was no loss of life. The S. L. "Gold Mohur" of the same Company with an empty cargo boat in tow and a number of coolies was engaged in salving the floating drums and casks from the "Ayuthia" carried up the Pegu river by the tide. Several had been salved and placed on the cargo boat when there was a sudden outbreak of fire enveloping both the launch "Gold Mohur," and the cargo boat immediately in flames. The crew of the launch and coolies on the cargo boat jumped into the water and many were rescued by other launches, but it was reported that 12 lives were lost. A Special Court of Enquiry held at Rangoon was unable to find out the cause of the explosion and fire on board the S. S. "Ayuthia," but as regards the other two vessels the Court found that in accordance with the Standing Orders of Messrs. The Burmah Oil Company, Limited, Rangoon, the Chief Gunner Mr. Dillon (who lost his life) should not have permitted the launch to collect the drums, etc.

Another outbreak of fire occurred at Rangoon on board the S.S. "City of Madrid" caused by an explosion of some accumulated gases in the bilges, coming in contact with light in a closed hurricane lamp whilst alongside No. 4 Sule Pagoda Jetty, Rangoon, on the 24th May 1918. In the conflagration 3 lives are reported to have been lost.

The British Indian vessel "Venugopalaswami" bound from Akyab to Chittagong encountered a heavy storm and foundered on the 13th October 1918 in the vicinity of Cox's Bazar, off the coast of Chittagong. She had a crew of 10 hands of whom 7 were lost.

There are some other minor cases reported but being of little importance have not been included in this Return.

The Wrecks and Casualties, aggregating 173, are reported to have occurred in the following localities :—

67 on the Bombay coast, 26 on the Malabar coast, 16 in the Hughli river, 15 on the Burma coast, 13 on the Kathiawar coast and in the Gulf of Cambay, 11 on the Sind coast, 8 in the Gulf of Manar and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show:—(A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1918, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters were due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1918, inclusive; (D) a tabular statement of the wrecks and (E) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1918, are also appended to this Return.

Thanks are due to Marine Authorities in India and the Shipping Firms in Calcutta, for supplying this Office with the details relating to the wrecks and casualties recorded herein.

DUNCAN F. VINES, *Captain, R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1919.

A.—Causes to which the reported maritime disasters are attributed.

—	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	1	1,450	56	1	1,233	...	2	3,970	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	1	18	...	16	(a)952	11	37	(a)1,521	3	4	129	1
Native craft of all nationalities.												
Sailing	1	41	...	4	575	...	6	670	...	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	...	...	...	1	1,177	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	2	59	...	21	2,977	67	44	3,424	3	7	5,276	1
CASUALTIES.												
British vessels.												
Steam	2	(b)2,698	2	...	...	...	11	36,108	...	7	(b)17,810	3
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	2	70	...	21	283	...	35	1,639	...	3	427	13
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	5	262	2	3	206	...
Vessels of Foreign nationalities.												
Steam	1	3,246	...	...	...	...	3	4,656	...	1	1,870	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	5	6,014	2	21	283	...	54	42,665	2	19	20,313	16
GRAND TOTAL ...	7	6,073	2	42	3,260	67	98	46,089	5	26	25,589	17

(a) Not including the tonnage of 6 British Indian vessels not given.
(b) Not including the tonnage of 2 British steam launches not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1918, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	WRECKS.							CASUALTIES.						
	British and Foreign vessels.		British Indian vessels.		Native craft.		Total.	British and Foreign vessels.		British Indian vessels.		Native craft.		Total.
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	43	43	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	3	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	34	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	34	7	13	3	163
1904	2	2	27	6	13	3	53	42	26	24	3	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	3	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	3	23	2	9	2	41	77	45	39	3	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	38	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96
1918	3	2	57	1	10	1	74	17	8	61	5	6	2	99

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1918, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886 ...	442	15,402	105	1903 ...	206	1,823(*l*)	50
1887 ...	228	20,022	1,016(*a*)	1904 ...	164	6,095(*e*)	73
1888 ...	238	11,739(*b*)	917	1905 ...	147	3,470(*f*)	86
1889 ...	217	9,629	35	1906 ...	172	5,545(*g*)	82
1890 ...	214	16,973	22	1907 ...	189	8,602(*h*)	70
1891 ...	231	12,068	240	1908 ...	225	11,768(*i*)	55
1892 ...	230	10,410	272	1909 ...	391	18,620(*j*)	69
1893 ...	223	12,428	170	1910 ...	242	8,280(*k*)	64
1894 ...	234	5,180	81	1911 ...	202	12,308(*l*)	74
1895 ...	212	7,982	63	1912 ...	219	9,165(*m*)	138
1896 ...	243	8,147	168	1913 ...	169	5,518(*n*)	98
1897 ...	177	18,141	96	1914 ...	157	55,149(*o*)	44
1898 ...	257	11,979	75	1915 ...	128	12,824(*p*)	20
1899 ...	218	2,728	22	1916 ...	141	9,564(*q*)	59
1900 ...	169	9,140	34	1917 ...	161	30,930(*r*)	214
1901 ...	189	4,980	22	1918 ...	173	11,736(*s*)	91
1902 ...	183	6,949(*c*)	831				

From the foregoing it will be seen that during the past 33 years, *viz.*, from 1886 to 1918, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 212, the average total tonnage of vessels wrecked 11,978 and the average number of lives lost 165.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lompôrt."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.
(*s*) Not including the tonnage of six British Indian vessels not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Imamshai	British Indian ...	60	Ketti ...	Goa ... ..(	January 6th ...
2	Than Ban Byu	Do. ...	28	At Moulmein	...	Do. 8th ...
3	Cargo Boat No. A-1040 ...	Do. ...	35	Calcutta ...	Akyab	Do. 16th ...
4	Kher Salamat ...	Do. ...	57	Calicut ...	Balyapatton and Verawal.	Do. 18th ..:
5	Cargo Boat No. A-1677 ...	Do. ...	42	Calcutta ...	Akyab	Do. 21st ...
6	Fathel Rehiman ...	Do. ...	31	Calicut ...	Bombay ...	Do. 23rd ...
7	Cargo Lighter No. 238 ...	Native craft ...	122	Penang ...	Tavoy	Do. 26th ...
8	Ayuthia	British screw steamer	694	Loading in the Rangoon river	...	February 7th ...
9	Shakhai	British Indian ...	6	Karachi ...	Chan creek ...	Do. 12th ...
10	Bhawanipersad ...	Do. ...	18	Bhiwandi ...	Bombay ...	Do. 15th ...
11	Cargo Boat No. 477 ...	Do. ...	31	Akyab ...	Chittagong ...	March 7th ...
12	Fathel Khair	Do. ...	45	Bombay ...	Aden	Do. 8th ...
13	Dahyasagar	Do. ...	27	Nagotna ...	Bombay ...	Do. 13th ...
14	Dolatpassa	Do. ...	40	Sirganda ...	Mandvi	Do. 14th ...
15	Labhsavai	Do. ...	38	Dwarka (Bet) ...	Broach ...	Do. 21st ...
16	Cargo Boat No. 112 ...	Do. ...	51	Akyab ...	Chittagong ...	April 1st ...
17	Haripasa	Do. ...	30	Calicut ...	Karachi ..	Do. 6th ...
18	Kashiprasad	Do. ...	21	Bombay ...	Bhavnagar ...	Do. 7th ...
19	Savai Salamati ...	Do. ...	160	Do. ...	Mangalore ...	Do. 13th ...
20	Jwherpassa	Do. ...	27	Sirganda ...	Mandvi ...	Do. 14th ...
21	Eugenia	British screw steamer	1,233	Rangoon ...	Colombo and Basra ...	Do. 17th ...
22	Machhvo Machheri ...	British Indian ...	8	Dholera ...	Bhavnagar ...	Do. do. ...
23	Arakan	Do. ...	85	Akyab ...	Pamban and Cochin	Do. 18th ...
24	Mahamad Valli Salamati ...	Do. ...	9	Mangalore ...	Kasargad ...	Do. 22nd ...
25	Cargo Boat No. 299 ...	Do. ...	75	Rangoon ...	Chittagong and Maungdaw.	Do. 25th ...
26	Narainpasa	Native craft ...	21	Vengurla ...	Bombay and Lamba	Do. 29th ...
27	Yeshwanti	British Indian ...	44	Mora ...	Calicut ...	May 11th ...
28	Vinayagi Pakia Lekshmy ...	Do. ...	84	Calicut ...	Quilon and Jaffna ...	Do. do. ...
29	Tamakali	Do. ...	112	Mora ...	Alleppey ...	Do. do. ...
30	Sakari Salamathy ...	Do. ...	45	Calicut ...	Bombay ...	Do do. ...
31	Hydrose	Do. ...	32	Do. ...	Calicut Anchorage ...	Do. 12th ...
32	Santon	Do. ...	10	Cochin ...	Kumpta ...	Do. do. ...
33	Nubull Bheb	Native craft (Arabia)	448	Calicut Anchorage	...	Do. do. ...
34	Manalul Muna ...	British Indian ...	61	Trombay ...	Ponani ...	Do. do. ...
35	Narainpasa	Native craft ...	82	Cutch-Mandvi ...	Sirganda ...	Do. do. ...
36	Narain Peressa	British Indian ...	30	Mondri ...	Do. ...	Do. 13th ...
37	Man Mohan	Do. ...	Not given	Karachi ...	Mandvi ...	Do. do. ...
38	Laxumi	Do. ...	13	Murabi ...	Bombay ...	Do. 19th ...
39	Flor-De-Diu	Do. ...	127	Bombay ...	Cochin ...	Do. 21st ...
40	Mouladi	Do. ...	49	Trombay ...	Cannanore ...	Do. do. ...

Waters during the year 1918.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Dwarka creek ...	Kathiawar coast ...	Stranding.—Accidental	About all lost ...	None lost.
Off Launglonbok ...	Burma do. ...	Do. Heavy weather ...	All lost ...	Do.
Above Maungdaw ...	Do. do. ...	Foundering.—Heavy weather ...	Do. ...	Do.
Off Vesawa	Bombay do. ...	Stranding.—Heavy weather ...	Partially lost ...	Do.
Off False Point lighthouse ...	Orissa do. ...	Do. do. ...	Partially damaged	Do.
Baikal	Malabar do. ...	Foundering.—Sprung a leak ...	All lost ...	Do.
North of Rongat ...	Andaman do. ...	Stranding.—Heavy weather ...	Do. ...	Do.
No. 5 Hastings Moorings, Rangoon river.	Burma do. ...	Fire.—Explosion	Do. ...	Do.
Near Chan mouth ...	Sind do. ...	Stranding.—Tides and currents ...	Do. ...	Do.
Thana creek	Bombay do. ...	Collision with the Railway Bridge Pier.—Tides and currents.	About all lost ...	Do.
Near Oyster island lighthouse	Burma do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
60 miles off Bombay ...	Bombay do. ...	Do. Sprung a leak ...	Do. ...	Do.
Rewas creek	Do. do. ...	Do. Heavy weather ...	Do. ...	Do.
Khuda Seer creek ...	Sind do. ..	Do. Tides and currents ...	Do. ...	Do.
Opposite Lohara lighthouse ...	Gulf of Cambay ...	Stranding.—Heavy weather ...	Partially lost ...	Do.
Off Cox's Bazar	Chittagong coast ...	Foundering.—Heavy weather ...	All lost ...	Do.
Beypore	Malabar do. ...	Stranding.—Heavy weather ...	Partially damaged	Do.
Near Narfad rocks ...	Bombay do. ...	Do. do. ...	Partially lost and partially damaged.	Do.
Off Kennery lighthouse ...	Do. do. ...	Foundering.—Sprung a leak ...	All lost ...	Do.
Avad creek	Sind do. ...	Stranding.—Not reported ...	Do. ...	Do.
18 miles South of Batticaloa ...	Ceylon do. ...	Do. Error of the Master ...	Partially lost and partially damaged.	Do.
Opposite Nava Bet ...	Gulf of Cambay ...	Do. Heavy weather ...	All lost ...	Do.
Near Sekekulam ...	Do. Manar ...	Do. Tides and currents ...	Partially ...	Do.
Kasaragad bar ...	Malabar coast ...	Do. Insufficient water ...	Do. ...	Do.
Maheshkhali creek ...	Chittagong do. ...	Do. Heavy weather ...	All lost ...	Do.
Surat river bar	Gulf of Cambay ...	Foundering.—Sprung a leak ...	Do. ...	Do.
Calicut Anchorage ...	Malabar coast ...	Do. Heavy weather ...	Do. ...	4 lives missing.
8 miles north of Alleppey ...	Do. do. ...	Stranding.—Heavy weather ..	Do. ...	None lost.
Alleppey	Do. do. ...	Do. do. ...	Partially lost ...	Do.
Near Kumbla bar ...	Do. do. ...	Do. do. ...	All lost ...	Do
Off Varakal	Do. do. ...	Foundering.—Heavy weather ...	Partially damaged	Do.
Malpe bar	Do. do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Calicut Anchorage ...	Do. do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
Tellicherry Road ...	Do. do. ...	Do. do. ...	Partially lost ...	Do.
Near Sirganda	Sind do. ...	Stranding.—Heavy weather ...	All lost ...	Do.
Seer mouth of the river Indus	Do. do. ...	Do. do. ...	Do. ...	Do.
Near Bet	Kathiawar do. ...	Do. Not reported ...	Do. ...	Do.
Nhawa	Bombay do. ...	Do. Heavy weather ...	Do. ...	Do.
Off Elathur Pt.	Malabar do. ...	Foundering.—Heavy weather ...	Do. ...	Do.
Tadri bar	Bombay do. ...	Stranding.—Heavy weather ...	Do. ...	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
41	Rawalnath Prasad ...	Native craft (Goa) ...	73	Bombay ...	Vengurla ...	May 21st ...
42	Savai Daria Mens ...	British Indian ...	98	Mora ...	Karwar and Ponani	Do. do. ...
43	Yeshwanti	Do. ...	26	Cochin ...	Vengurla ...	Do. do. ...
44	Javer Prasad	Do. ...	110	Bombay ...	Cochin	Do. do. ...
45	Darya Doulat	Do. ...	31	Do. ...	Ratnagiri ...	Do. 22nd ...
46	Manmohan	Native craft ...	73	Karachi ...	Cutch-Mandvi ...	Do. do. ...
47	Athiathe Rahiman ...	Native craft (Arabia)	265	Calicut ...	Muscat	Do. 23rd ...
48	Fatehsalamat	British Indian ...	Not given	Karachi ...	Mandvi ...	Do. 28th ...
49	Baliav Ganesh Prasad ...	Native craft (Goa) ...	69	Bombay ...	Vengurla and Chapora	Do. do. ...
50	Nabibakas	British Indian ...	47	Mora ...	Tellicherry ...	Do. 31st ...
51	Narayanpasha ...	Do. ...	Not given	Sirganda ...	Mandvi ...	Do. „ ...
52	Matchwa Sugarpassa ...	Do. ...	Do.	Zanzibar ...	Cutch Mundra ...	June 2nd ...
53	Mohadev Prasad ...	Native craft ...	77	Bombay ...	Porbander ...	Do. 4th ...
54	Rajakarim	British Indian ...	Unknown	Muscat ...	Bombay ...	Do. do. ...
55	Hari Prashad	Do. ...	46	Bombay ...	Mahuva ...	Do. 7th ...
56	Dowlati Madevi ...	Do. ...	80	Do. ...	Dubai and Jam Salaya	Do. 9th ...
57	Gunga	Do. ...	2	Bombay harbour ...		July 4th ...
58	Premsowai	Do. ...	140	Rangoon ...	Port Blair and Nicobar island.	Do. 8th ...
59	Sri Bhagvalakshmi ...	Do. ...	47	Cocanada ...	Akyab ...	August 16th ...
60	Khatanpasa	Native craft ...	33	Jamnagar ...	Cutch-Mandvi ...	September 2nd ...
61	Cargo Boat No. 76 ...	British Indian ...	19	Feni ...	Shahbajpur ...	October 13th ...
62	Venugopalaswami ...	Do. ...	Not given	Cocanada ...	Akyab and Chittagong	Do. do. ...
63	Narayan Prasad ...	Native craft (Goa) ...	41	Bombay ...	Panjim ...	November 2nd ...
64	Dhanprasad	British Indian ...	2	Warli ...	Kalyan ...	Do. 23rd ...
65	Fathamab Fatehrahiman ...	Do. ...	80	Cochin ...	Bombay ...	Do. 26th ...
66	Karimshah	Do. ...	73	Karachi ...	Basra ...	Do. — ...
67	Nookalamma	Do. ...	58	Cocanada ...	Akyab and Chittagong	December 4th ...
68	Cargo Boat No. 41 ...	Do. ...	13	Kayalpatam ...	Tuticorin ...	Do. 13th ...
69	Cargo Boat No. 65 ...	Do. ...	42	Pallipuram ...	Mangalore ...	Do. do. ...
70	Sampina	Do. ...	111	Porbandar ...	Bombay ...	Do. 15th ...
71	Chi Yuen	Chinese screw steamer	1,177	Penang ...	Singapore and Rangoon.	Do. 16th ...
72	Labsavai	British Indian ...	15	Bombay ...	Verawal ...	Do. 18th ...
73	Kum Chow	British screw steamer	1,450	Rangoon ...	Colombo and Basra ...	Do. — ...
74	Tenasserim	Do. do.	3,276	Liverpool ...	Colombo and Rangoon	Do. 19th ...

Waters during the year 1918.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Vengurla	Bombay coast ...	Foundering.—Heavy weather ...	Partially lost and partially damaged.	None lost.
Coondapur	Malabar do. ...	Stranding.—Heavy weather ...	All lost ...	Do.
Vengurla	Bombay do. ...	Do. do.	Partially lost ...	Do.
Navunda	Malabar do. ...	Do. do.	All lost ...	2 lives lost.
Off Budhal	Bombay do. ...	Capsized.—Heavy weather ...	Do. ...	None lost.
Near Chakha Barel Machhla ...	Gulf of Cutch ...	Stranding.—Heavy weather ...	Do. ...	Do.
Nirrum	Malabar coast ...	Do. do.	Do. ...	Do.
Near Bet	Kathiawar do. ...	Do. do.	Do. ...	Do.
Shiroda	Bombay do. ...	Do. do.	No cargo ...	Do.
Near Belekari creek bar ...	Do. do. ...	Do. do.	All lost ...	Do.
Near Shir mouth of the river Indus.	Sind do. ...	Do. do.	No cargo ...	Do.
Between Hajamro and Chan ...	Do. do. ...	Do. do.	Partially lost ...	Do.
Near Jafarabad lighthouse ...	Gulf of Cambay ...	Do. do.	All lost ...	Do.
About 2 miles west of Hubb river.	Sind coast ...	Do. do.	Do. ...	1 life lost.
Off Usarni	Bombay do. ...	Do. do.	Do. ...	None lost.
About 20 miles off Cape Monze	Mekran do. ...	Do. do.	In ballast ...	Do.
Off Prongs lighthouse ...	Bombay do. ...	Capsized.—Heavy weather ...	No cargo ...	Do.
About 8 miles off Savage island lighthouse.	Burma do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
North of Mayu river ...	Do. do. ...	Stranding.—Heavy weather ...	In ballast ...	Do.
Near Babrasa	Gulf of Cutch ...	Foundering.—Heavy weather ...	Partially lost and partially damaged.	Do.
Feni	Noakhali District ...	Do. do. ...	Partially lost ...	Do.
Off Cox's Bazar	Chittagong coast ...	Do. do. ...	All lost ...	7 lives lost.
Juva	Bombay do. ...	Collision with a steamer.—Non-exhibition of light.	Do. ...	None lost.
Yerangal	Do. do. ...	Stranding.—Old age of the vessel ...	Not reported. ...	Do.
15 miles off Mangalore ...	Malabar do. ...	Fire.—Struck by lightning ...	All lost ...	1 life lost.
Off Matab	Persian Gulf ...	Stranding.—Heavy weather ...	Do. ...	None lost.
Fakir reef, Akyab harbour ...	Burma coast ...	Do. Error of the Tindal ...	About all lost ...	Do.
Palayakayal	Gulf of Manar ...	Do. Heavy weather ...	All lost ...	Do.
Kasargad	Malabar coast ...	Do. do. ...	Do. ...	Do.
Alibag Port	Bombay do. ...	Foundering.—Heavy weather ...	Unknown ...	Do.
Rangoon harbour... ...	Burma do. ...	Fire.—Using of naked lights during loading.	All lost ...	Do.
Off Worlie	Bombay do. ...	Capsized.—Heavy weather ...	Do. ...	Unknown.
Exact spot not known ...	Bay of Bengal ...	Foundering.—Heavy weather ...	Do. ...	56 lives lost.
Syriam, Rangoon river ...	Burma coast ...	Fire.—Accidental	Do. ...	None lost.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	RAHBURN	British screw steamer	3,232	Bombay ...	Cochin and Australia	January 12th ...
2	CARGO BOAT No. A-2441 ...	British Indian ...	32	Calcutta ...	Akyab	Do. 20th ...
3	LAXUMI	Do. ...	8	Murbi ...	Ulwa and Bombay ...	Do. 25th ...
4	Do.	Do. ...	10	Bombay ...	Karanja and Antora	Do. do. ...
5	MASHAYLI	Do. ...	3	Satpati ...	Bhavnagar ...	Do. 26th ...
6	SAHUL HAMID	Do. ...	69	Colombo ...	Cochin	Do. 30th ...
7	GOLD MOHUR	British steam launch	Not given	Plying in the Rangoon and Pegu rivers		February 7th ...
8	CARGO BOAT No. 146 ...	British Indian ...	149	Do.	do. ...	Do. do. ...
9	SEALDA	British screw steamer	5,057	Calcutta ...	Durban ...	Do. 12th ...
10	SURAJ SALAMATI ...	British Indian ...	35	Bombay ...	Bhavnagar ...	Do. 13th ...
11	SHUMSHARR	Do. ...	83	Cochin ...	Bombay ...	Do. 15th ...
12	ALIMADATH	Do. ...	18	Hangarkotta ...	Mangalore ...	Do. 16th ...
13	JAPAN	Swedish screw steamer	3,262	Samarang ...	Calcutta ...	Do. 18th ...
14	RUPAREL	Native craft ...	33	Bombay ...	Murmagao and Dholera.	Do. 20th ...
15	MYTILUS	British screw steamer	3,354	Calcutta ...	Rangoon ...	Do. 23rd ...
16	BALIRAJA	British Indian ...	7	Panwell ...	Waghiwali and Bombay.	Do. 25th ...
17	YESHAVANTI	Do. ...	10	Harnai ...	Bombay ...	Do. 28th ...
18	LAXMI	Do. ...	5	Bombay ...	Ulwa	March 4th ...
19	BHAWANI	Do. ...	10		Trombay ...	Do. 12th ...
20	LAXMI	Do. ...	18	Bhiwandi ...	Bombay ...	Do. do. ...
21	RAMBAN	Do. ...	13	Belapur ...	Trombay ...	Do. do. ...
22	RAM KRISHNA	Do. ...	13	Do. ...	Do. ...	Do. do. ...
23	RAMBAN	Do. ...	7	Trombay ...	Bombay ...	Do. do. ...
24	RAMPRASAD	Do. ...	14	Do. ...	Do. ...	Do. do. ...
25	BAJARI	Do. ...	7	Do. ...	Do. ...	Do. do. ...
26	DASTGIRI	Do. ...	15	Ulwa ...	Do. ...	Do. do. ...
27	DHARANPRASAD	Do. ...	14	Bhiwandi ...	Do. ...	Do. do. ...
28	SALAMATI	Do. ...	8	Apta ...	Do. ...	Do. do ...
29	PALKHI	Do. ...	9	Antora ...	Trombay ...	Do. do. ...
30	SURYABAN	Do. ...	7	Apta ...	Bombay ...	Do. do. ...
31	Do.	Do. ...	9	Do. ...	Do. ...	Do. do. ...
32	Do.	Do. ...	10	Doorset ...	Do. ...	Do. do. ...
33	CHANDRABAN	Do. ...	29	Nagotna ...	Do. ...	Do. do. ...
34	KORANNA	British screw steamer	2,297	Calcutta ...	Rangoon ...	Do. do. ...
35	HARIPRASAD	British Indian ...	23	Bombay ...	Manori ...	Do. 13th ...
36	BHAWANI	Do. ...	10	Bhiwandi ...	Bombay ...	Do. do. ...
37	SOONDARSINGAR	Do. ...	38	Karachi ...	Sirganda ...	Do. 20th ...
38	FAZILKA	British screw steamer	2,698	Calcutta ...	Rangoon ...	Do. 22nd ...

Waters during the year 1918.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 10° 34′ N., long. 76° 11′ E.	Malabar coast ...	Stranding.—Vessel's refusal to answer her helm.	None lost ...	None lost.
Off False Point lighthouse ...	Orissa do. ...	Stranding.—Heavy weather ...	Partially damaged	Do.
Nhawa	Bombay do. ...	Do. do. ...	Partially lost ...	Do.
Antora creek entrance ...	Do. do. ...	Do. do. ...	About all lost ...	Do.
Near Utan	Do. do. ...	Do. do. ...	Partially lost and partially damaged.	Do.
Cochin	Malabar do. ...	Do. Error of the Tindal ...	None lost ...	Do.
Near Kyoukchoung, Pegu river	Burma do. ...	Fire.—Error of the Chief Gunner of the Burmah Oil Co., Ld.	No cargo ...	Do.
Do. do.	Do. do. ...	Do. do.	Do. ...	12 lives lost.
Heragunj Sand	Hughli river ...	Stranding.—Tides and currents ...	None lost ...	None lost.
Off Umbergaon bar ...	Bombay coast ...	Capsised.—Heavy weather ...	All lost ...	Do.
Cochin bar	Malabar do. ...	Stranding.—Error of the Tindal ...	Partially lost ...	Do.
Hangarkotta bar ...	Do. do. ...	Do. Heavy weather ...	All lost ...	Do.
Gabtolla bar	Hughli river ...	Do. Formation of a lump ...	None lost ...	Do.
Cheldia rock	Bombay coast ...	Do. Accidental	Partially lost ...	Do.
Budge Budge	Hughli river ...	Fire.—Faulty jointing of fuel tank door	In ballast ...	Do.
Panwell creek	Bombay coast ...	Stranding.—Heavy weather ...	None lost ...	Do.
Kolgaon	Do. do. ...	Do. do. ...	All lost ...	Do.
Nhawa	Do. do. ...	Foundering.—Heavy weather ...	Do. ...	Do.
Trombay creek	Do. do. ...	Do. do. ...	Do. ...	Do.
Ghatkapur do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Trombay do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Rewas do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Do. do. ...	Do. do. ...	Do. do. ...	Do. ...	Do.
Karanja do. ...	Do. do. ...	Damage to vessel.—Heavy weather ...	Do. ...	1 life lost.
Kalpi anchorage ...	Hughli river ...	Stranding.—Vessel's taking a sheer and dragging her anchor.	None lost ...	None lost.
Mouth of the Manori creek ...	Bombay coast ...	Stranding.—Unavoidable	No cargo ...	Do.
Thana creek	Do. do. ...	Do. Tides and currents ...	All lost ...	Do.
Near Keti Bunder ...	Sind do. ...	Do. Heavy weather ...	Partially lost and partially damaged.	Do.
Monikholi Point ...	Hughli river ...	Collision with the S.S. "August."—Error of the Assistant Harbour Master of that vessel.	None lost ...	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
39	AUGUST	Norwegian screw steamer.	3,246	Rangoon ...	Calcutta and Boston	March 22nd ...
40	LABHSAWAI	British Indian ...	35	Mahuva ...	Bombay ...	Do. 25th ...
41	LAXMIPASSA	Native craft ...	64	Bombay ...	Basra	Do. 27th ...
42	YESHWANTI	British Indian ...	27	Calicut ...	Bombay ...	April 7th ...
43	BHOBESINGAR	Do. do. ...	49	Keti Bander ...	Mundra... ...	Do. 11th ...
44	MEY BHAWANI	Do. do. ...	25	Shewa creek ...	Mora ...	Do. 16th ...
45	RUZAI	Do. do. ...	6	Honawar ...	Shirali ...	Do. 22nd ...
46	MAHAGIRI CHANDRUBAN ...	Do. do. ...	12	Kalyan ...	Bombay ...	Do. 24th ...
47	LUXUMI	Do. do. ...	10	Bhiwandi ...	Do. ...	Do. 27th ...
48	ABDUL KADIR HAMID BUX...	Do. do. ...	174	Negapatam ...	Colombo ...	May 2nd ...
49	VITHALPRASAD	Do. do. ...	22	Billimora ...	Kalyan and Jafrabad	Do. 10th ...
50	GANESH PRASAD ...	Do. do. ...	17		Mora ...	Do. 11th ...
51	SAKUNDALA	Do. do. ...	82	Calicut ...	Mozambique ...	Do. do. ...
52	RAMBAN	Do. do. ...	19	Trombay ...	Thana	Do. 12th ...
53	VENKATESHPRASAD ...	Do. do. ...	26	Hangarkotta ...	Goa	Do. 13th ...
54	THERUMALARUSAPURAVY ...	Do. do. ...	182	Colombo ...	Jaffna	Do. 15th ...
55	LIGHTER No. 4 ...	Do. do. ...	101	Maroli ...	Bhavnagar ...	Do. 16th ...
56	WANDRI LAXMI... ...	Do. do. ...	34	Bombay ...	Ratnagiri ...	Do. 20th ...
57	MANIKPRASAD	Do. do. ...	26	Surat ...	Bombay ...	Do. do. ...
58	YESHWANTI	Do. do. ...	7	Ratnagiri ...	Do. ...	Do. 21st ...
59	LAXMI	Do. do. ...	9	Bombay ...	Dabhol	Do. do. ...
60	SEAPOOL	British screw steamer	2,799	Loading in the Alexandra Dock, Bombay.		Do. 23rd ...
61	MAHAGIRI BAHADURI ...	British Indian ...	14	Bombay ...	Revdanda ...	Do. 24th ...
62	CITY OF MADRID ...	British screw steamer	3,135	New York ...	Rangoon and Calcutta	Do. do. ...
63	SHIOPRASAD	British Indian ...	9	Bombay ...	Deogad ...	Do. 25th ...
64	VIBAWA	British screw steamer	2,176	Calcutta ...	Madras	Do. 26th ...
65	PARVATIPRASAD	British Indian ...	20	Bombay ...	Umbersadi ...	Do. 28th ...
66	DHANPRASAD	Do. ...	24	Nigde ...	Bombay ...	Do. do. ...
67	SAHALA	Native craft ...	67	Bombay ...	Aloola	Do. — ...
68	FATEKHEE	Do. ...	49	Goa ...	Porbander ...	Do. — ...
69	QUERIMBA	British screw steamer	4,937	Calcutta ...	Colombo and Mauritius.	July 12th ...
70	KHUDAMILLAI	British Indian ...	13	Bhagan ...	Gizri and Karachi ...	Do. 22nd ...
71	NANKAI MARU	Japanese screw steamer.	1,065	Penang ...	Rangoon ...	Do. 31st ...
72	SRI VIGHNESWARUDU ...	British Indian ...	130	Cocanada ...	Akyab	August 19th ...
73	QUERIMBA	British screw steamer	4,937	Calcutta ...	Mauritius ...	Do. do. ...
74	UMVOLOSI	Do. do. ...	1,855	Aden ...	Colombo and Calcutta.	Do. do. ...
75	KUM CHOW	Do. do. ...	1,450	Calcutta ...	Colombo ...	Do. 20th ...
76	CATHERINE APCAR ...	Do. do. ...	1,730	Colombo ...	Tuticorin ...	Do. 23rd ...

Waters during the year 1918.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Munikholi Point ...	Hughli river ...	Collision with the S.S. "Fazilka."—Error of the Assistant Harbour Master.	In ballast ...	None lost.
Vadwan	Bombay coast ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Off Chabbar	Baluchistan coast ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Mangalore Breakwater entrance.	Malabar coast ...	Stranding.—Error of the Tindal ...	Partially lost and partially damaged.	Do.
Trusian Bar, mouth of Indus...	Sind do. ...	Do. Heavy weather ...	Partially lost ...	Do.
Mora creek	Bombay o. ...	Foundering.—Sprung a leak ...	All lost ...	Do.
Near the mouth of the Shirali creek.	Do. do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Near Trombay beacon light ...	Do. do. ...	Sprung a leak.—Unavoidable ...	All lost ...	Do.
Near Kopri in Thana creek ...	Do. do. ...	Stranding.—Heavy weather ...	Do. ...	Do.
Pamban Pass	Gulf of Manar ...	Do. Tides and currents ...	None lost ...	Do.
Opposite Utan lighthouse ...	Bombay coast ...	Do. Heavy weather ...	Partially lost and partially damaged.	Do.
Mora creek	Do. do. ...	Do. do. ...	Do. ...	Do.
Near Manargudi	Malabar do. ...	Do. do. ...	None lost ...	Do.
Trombay creek	Bombay do. ...	Do. do. ...	Partially lost ...	Do.
Near Hangarkotta Bar ...	Malabar do. ...	Do. do. ...	Partially lost and partially damaged.	Do.
Puma East Channel ...	Gulf of Manar ...	Do. do. ...	In ballast ...	Do.
Near Lohara light ...	Gulf of Cambay ...	Do. do. ...	None lost ..	Do.
Mirya creek	Bombay coast ...	Do. do. ...	Partially damaged	Do.
Off Bankot Bar ...	Do. do. ...	Capsized.—Heavy weather ...	Partially lost ...	Do.
Bhatya creek bar ...	Do. do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
Karanda	Do. do. ...	Stranding.—Heavy weather ...	No cargo ...	Do.
Bombay harbour... ...	Do. do. ...	Fire.—Not reported	Unknown ...	Do.
Near Theronda	Do. do. ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Rangoon	Burma do. ...	Fire.—Explosion	Partially damaged	3 lives lost.
Shewa creek	Bombay do. ...	Sprung a leak.—Unavoidable ...	Partially lost ...	None lost.
Nurpur Spit	Hughli river ...	Stranding.—Vessel's taking a sheer against her helm.	None lost ...	Do.
Opposite Nargol... ...	Bombay coast ...	Capsized.—Heavy weather ...	No cargo ...	Do.
Nag thna creek	Do. do. ...	Collision with the S.L. "Tadri."—Heavy weather.	None lost ...	Do.
Off Porbander	Kathiawar coast ...	Stranding.—Heavy weather ...	Partially lost ..	2 lives lost.
Porbander creek	Do. do. ...	Do. do. ...	Do. ...	None lost.
Garden Reach	Hughli river ...	Do. Error of the Pilot ...	None lost ...	Do.
Near Hajamro mouth of the river Indus.	Sind coast ...	Do. Not reported ...	All lost ...	Do.
D'Silva shoal, Rangoon river...	Burma do. ...	Do. Error of the Pilot ...	None lost ...	Do.
Near Akyab	Do. do. ...	Do. Heavy weather ...	No cargo ...	Do.
Kidderpore Dock, Calcutta ...	Hughli river ...	Fire.—Spontaneous combustion ...	Partially damaged	Do.
In possession of Naval Authorities, Colombo.	Indian Ocean ...	Struck by a mine.—Unavoidable ...	None lost ...	Do.
Munikholi Crossing ...	Hughli river ...	Stranding.—Tides and currents ...	Do. ...	Do.
35 miles off Tuticorin ...	Gulf of Manar ...	Fire.—Unknown	Partially damaged	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
77	FREIENFELS	British screw steamer	3,545	Calcutta ...	Dundee ...	August 28th ...
78	MOHAMED SAMSADDIN SADARIA.	British Indian ...	166	Colombo ...	Madras	September 6th ...
79	MOHAMED SAMSADDIN SADARIA.	Do. ...	166	Do. ...	Do.	Do. 8th ...
80	CITY OF MANCHESTER ...	British screw steamer	3,566	Calcutta ...	London ...	Do. 24th ...
81	PIR MADAT	Native craft ...	58	Karachi ...	Porbander ...	Do. 27th ...
82	PAN YEK	American screw steamer.	329	Penang ...	Moulmein ...	October 6th ...
83	RATHANSAGAR	British Indian ...	147	Beypore ...	Calicut ...	Do. 15th ...
84	KOLYA	British screw steamer	1,168	Calcutta ...	Colombo and Durban	November 7th ...
85	MBY SULEMANI	British Indian ...	18	Manori ...	Bombay ...	Do. do. ...
86	KRASNOIARSK	British screw steamer	3,665	Calcutta ...	Boston and New York	Do. 8th ...
87	RATNAGIRI	British Indian ...	22	Agashi ...	Bombay... ...	Do. 17th ...
88	BALIAO JAYAVANTY ...	Do. ...	34	Lying at anchor at Karanja	...	Do. 20th ...
89	LAXMICHAND PRASAD ...	Do. ...	6	Do.	do. ...	December 4th ...
90	POLICE LAUNCH No. 8 ...	British steam launch	Not given	Narayanganj ...	Dacca	Do. do. ...
91	GELLANI	Native craft ...	92	Rangoon ...	Cutch-Mandvi ...	Do. 9th ...
92	RAMBAN	British Indian ...	8	Panwell ...	Alibag	Do. 10th ...
93	PIRMADAT	Native craft ...	84	Bombay ...	Porbandar ...	Do. 16th ...
94	LABHASAWAI	British Indian ...	22	Bhatha ...	Bhavnagar ...	Do. 20th ...
95	KASHIPRASAD	Do. ...	28	Bombay ...	Cutch Jakhau ...	Do. 21st ...
96	CHOSEN MARU	Japanese screw steamer.	1,870	Calcutta ...	Rangoon and Singapore.	Do. 25th ...
97	DHANPRASAD	British Indian ...	46	Cochin ...	Cutch Anjar ...	Do. 27th ...
98	RAMPRASAD	Native craft ...	21	Verawal ...	Cutch-Mandvi ...	Do. do. ...
99	WAR ARMOUR	British twin screw steamer.	5,045	Calcutta ...	Colombo and London	August 27th ...

Waters during the year 1913.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Buj Buj	Hughli river ...	Stranding.—Sudden sheer	None lost ...	None lost.
Puma east channel ...	Gulf of Manar ...	Do. Heavy weather ...	Do. ...	Do.
Pamban Pass	Do. ...	Do. Tides and currents ...	Do. ...	Do.
Moyapur bar	Hughli river ...	Do. Formation of a lump ...	Do. ...	Do.
Near Mandvi	Gulf of Cutch ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Chester island, Mergui Archipelago.	Burma coast ...	Stranding.—Heavy weather ...	None lost ...	Do.
Beypur river entrance ...	Malabar do. ...	Capsized.—Heavy weather. ...	In ballast ...	Do.
Garden Reach	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	Do.
Near Mahad fort ...	Bombay coast ...	Do. Heavy weather ...	All lost ...	Do.
Gabtola bar	Hughli river ...	Do. Formation of a lump ...	None lost ...	Do.
Arnalia	Bombay coast ...	Do. Tides and currents ...	About all lost ...	Do.
Karanja	Do. do. ...	Foundering.—Sprung a leak ...	All lost ...	Do.
Karanja creek	Do. do. ...	Stranding.—Tides and currents ...	Partially lost ...	Do.
Near Taltola, Dhaleswari river	Dacca District ...	Collision with I.S.V. "Heron."—Error of the Serang.	No cargo ...	2 lives lost.
Pamban Pass	Gulf of Manar ...	Stranding.—Error of the Tindal ...	All lost ...	None lost.
Panwell creek	Bombay coast ...	Foundering.—Weight of the loaded cargo.	Partially lost and partially damaged.	Do.
Near Surat	Gulf of Cambay ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Bhavnagar creek	Do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
Near Visawa	Bombay coast ...	Do. Tides and currents ...	Partially lost and partially damaged.	Do.
Kidderpore Dock, Calcutta ...	Hughli river ...	Fire.—Unknown	Partially lost ...	Do.
Off Beypore bar	Malabar coast ...	Collision with another vessel.—Non-exhibition of lights from that vessel.	Do. ...	Do.
Goa	Kathiawar do. ...	Stranding.—Error of the helmsman ...	Do. ...	Do.
Off Panchpara	Hughli river ...	Stranding.—Unavoidable	None lost ...	Do.

S. G. P. I.—5 P. O. & R. W.—5-8-19. 135.

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1919

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-FOUR YEARS

PREPARED BY

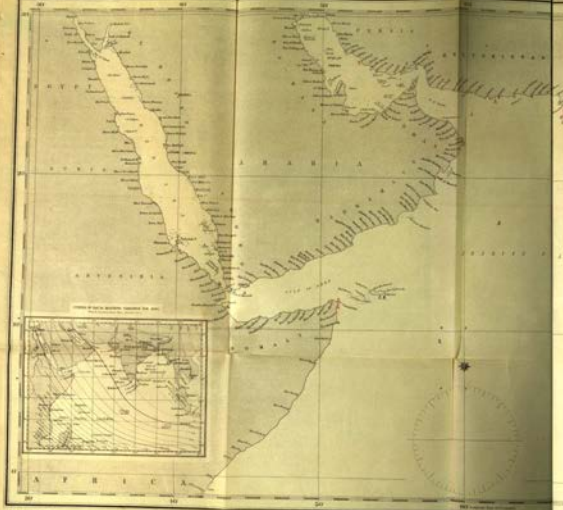
COMDR. W. K. THYNE, R.I.M.

OFFG. PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1920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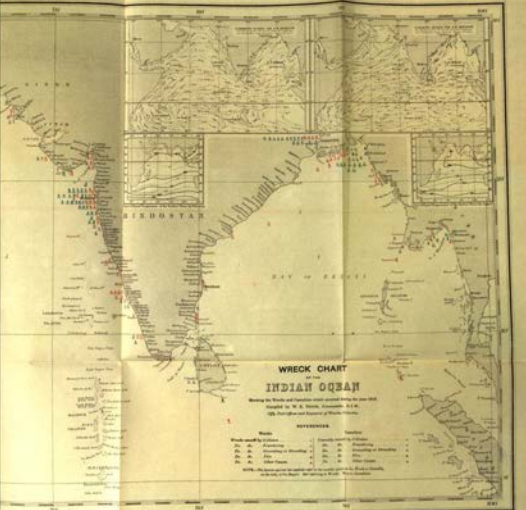

HINDOSTAN
WRECK CHART
OF THE
INDIAN OCEAN

REVIEW.

THE Statistics of the year under review show that the number of wrecks and the tonnage lost have exceeded that of the last 9 years and 4 years respectively, while the loss of life is greater than that of the previous year.

The Native craft "Girore" with a crew of 5 and 20 passengers and general cargo whilst on a voyage from Karachi to Mandvi encountered severe weather, went aground near Keti Bunder, Sind coast, on the 28th January 1919 and was lost with the 25 lives on board.

The sailing vessel "Chittagong" belonging to Munjeebhoy Khataw & Co., of Bombay, which left Calcutta on the 14th February 1919 with a crew of 20 hands and general cargo for Mauritius, has not been heard of since passing the Sandheads on the 18th February 1919. It is presumed that she encountered heavy weather, and foundered with all lives somewhere in the Bay of Bengal.

The motor launch "Muriel," bound from Rangoon to Mergui, caught fire at the mouth of the Rangoon river on the 14th March 1919, was burnt out and ultimately sank. Three lives are reported to have been lost.

On the 31st May 1919 the S.L. "Tibet" left Shwegyin for Sittang and when close into the bank off Kyaukpon to land passengers the Serang observed a bore approaching and made for midstream, but before getting to deep water the launch met the bore and shipped a large quantity of water which gave her a heavy list resulting in her loss in the Sittang river with 15 lives. A Court of Enquiry was held at Rangoon and it was found that the Serang was at fault (1) in plying for passengers knowing that the launch's Survey Certificate had expired; (2) in carrying passengers on the roof of the vessel; (3) in carrying passengers grossly in excess of the number permitted; the Court recommended the cancellation of the Serang's Certificate.

The cyclone that passed over the Inland waters of Bengal on the 23rd, 24th and 25th September 1919 is responsible for the loss of 5 vessels and 33 lives, besides the foundering, stranding, etc., of some other vessels. The British sailing ship "Seikgyi" whilst proceeding to Calcutta from Rangoon encountered a cyclone on the 24th September in lat. 21° 15′ N., long. 89° 33′ E., Bay of Bengal, became dismasted and sustained damage to her superstructure. She was subsequently towed to Calcutta by the dredger "Belari."

The S.S. "Fazilka" belonging to the British India Steam Navigation Co., Ltd., on a voyage from Penang to Madras with a crew of 156 hands, 609 passengers, 600 tons of general cargo and mails, stranded on the Cerberus rock of the Great Nicobar Island on the 31st October 1919 and became a total loss. All the Native passengers were transferred to the S.S. "West Modus" and the saloon passengers and mails to the "Mytelus." During the landing of the officers and crew, the saloon butler and the ship's topaz were drowned though they had life-belts on. The decision arrived at by the Marine Court of Enquiry held at Calcutta was that the stranding was due, in the first place, to an abnormal current; secondly, to the default of the officer on watch in not having kept a proper look-out.

The number of reported wrecks incorporated in the Return is 84 and casualties 104, aggregating 188 during the year.

Of the wrecks, there are 22 British, 3 Foreign and 45 British Indian vessels and 14 Native craft. Of the casualties, 52 British, 8 Foreign and 38 British Indian vessels and 6 Native craft.

The wrecks consist of 6 collisions, 24 founderings, 48 strandings and 6 miscellaneous cases. The casualties comprise 11 collisions, 17 founderings, 60 strandings and 16 miscellaneous cases.

The total number of lives lost by wrecks is 99 and by casualties 17, making a total of 116.

There are other cases of minor importance which have not been included in this Return.

The wrecks and casualties (aggregating 188) are reported to have occurred in the following localities :—

47 on the Bombay coast, 24 in the Inland waters of Bengal, 21 in the Hughli river, 18 on the Burma coast, 15 on the Malabar coast, 14 on the Kathiawar coast and in the Gulf of Cambay, 7 on the Madras and Coromandel coasts, 7 in the Gulf of Manar and the Palk Bay, 7 in the Arabian Sea, 7 in the Bay of Bengal, 5 in the Red Sea and Gulf of Aden, 5 on the Sind coast and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show :—(A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1919, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1919, inclusive; (D) a tabular statement of the wrecks; and (E) a tabular statement of the casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1919, are also appended.

In concluding the review, I acknowledge, with thanks, the courtesy of the various Marine Authorities in India and the Shipping Firms in Calcutta, who furnished me with detailed information relating to the wrecks and casualties herein recorded.

W. K. THYNE, *Comdr., R.I.M.,*

Offg. Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1920.

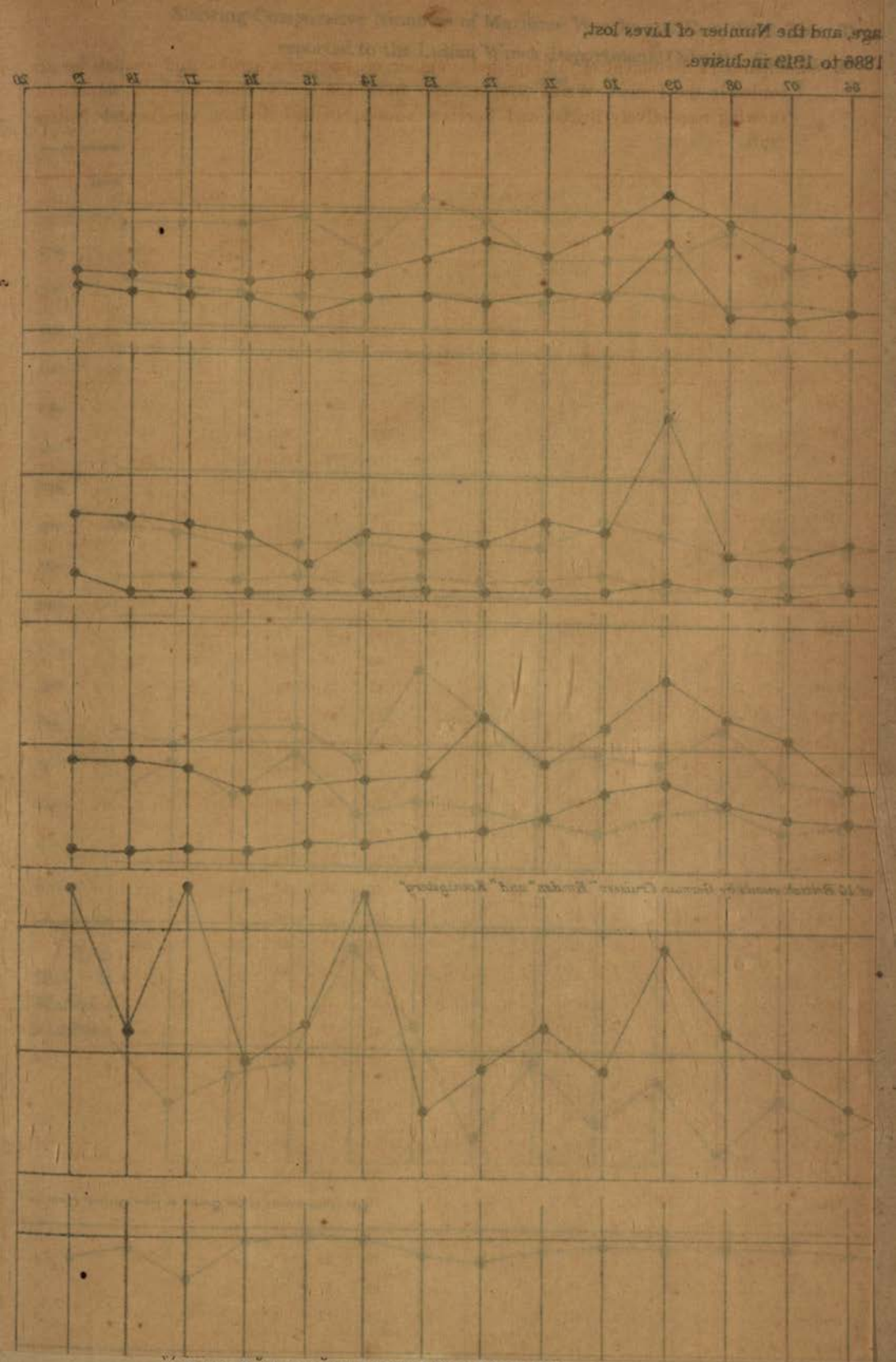
A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Foundrings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	3	(a)265	1	3	(a)130	30	6	14,423	2	1	(a)	3
Sailing	...	...	...	6	(a)2,106	26	3	(a)921	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	3	278	...	12	1,260	2	27	(b)2,085	10	3	201	...
Native craft of all nationalities.												
Sailing	...	...	...	3	144	...	10	(c)255	25	1	(c)	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	2	2,601	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	1	1,266	...
Total	6	543	1	24	3,640	58	48	20,885	37	6	1,467	3
CASUALTIES.												
British vessels.												
Steam	6	19,055	2	7	(d)	2	25	(d) 59,719	1	6	(d) 11,950	...
Sailing	1	2,168	...	3	(d)	10	3	(d)610	...	1	330	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	1	40	...	6	107	...	25	1,183	...	6	173	2
Native craft of all nationalities.												
Sailing	...	...	...	1	41	...	4	337	...	1	42	...
Vessels of Foreign nationalities.												
Steam	3	4,858	...	...	...	...	3	9,494	...	2	5,161	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	11	26,121	2	17	148	12	60	71,343	1	16	17,556	2
GRAND TOTAL	17	26,664	3	41	3,788	70	108	92,228	38	22	19,023	5

(a) Not including the tonnage of 8 British vessels not given.
(b) " " " " of 1 British Indian vessel not given.
(c) " " " " of 2 Native craft not given.
(d) " " " " of 14 British vessels not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1919, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

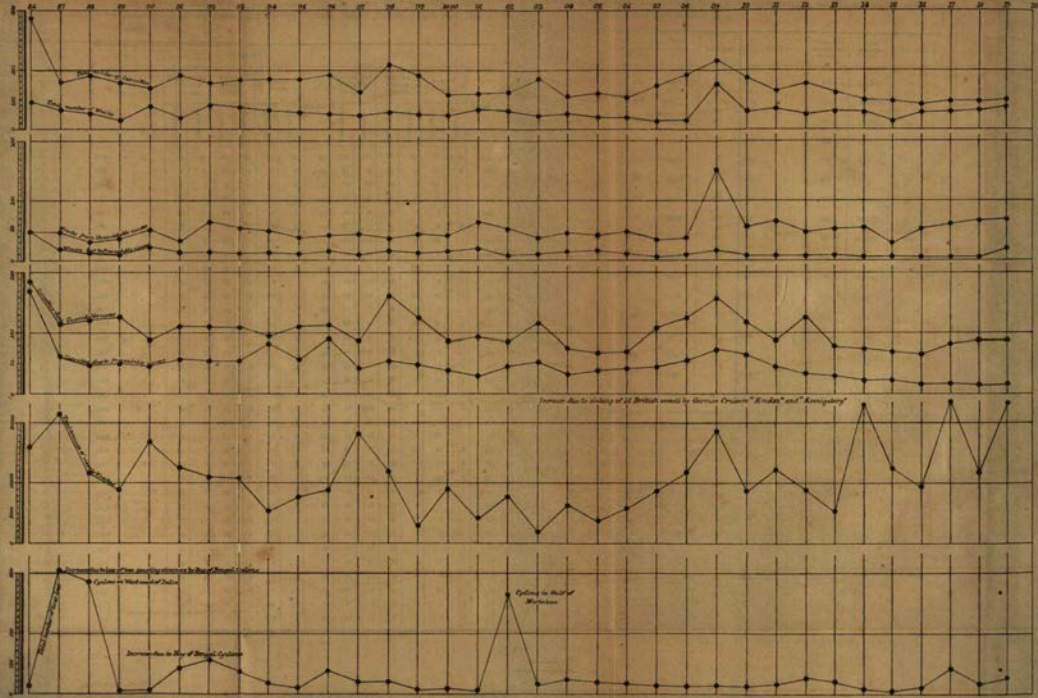
Year.	WRECKS.							CASUALTIES.						
	British and Foreign vessels.		British Indian vessels.		Native craft.		Total.	British and Foreign vessels.		British Indian vessels.		Native craft.		Total.
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	3	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	84	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96
1918	3	2	57	1	10	1	74	17	8	61	5	6	2	99
1919	17	8	39	6	13	1	84	47	13	37	1	5	1	104



(e) Not including the tonnage of six British Indian vessels not given.
(f) Not including the tonnage of eight British and one British Indian vessels and one Native craft not given.

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1866 to 1928 inclusive.


Total Number of Wrecks
Total Number of Casualties
Total Tonnage of Wrecks
Total Number of Lives lost
Total Number of Wrecks
Total Number of Casualties
Increase due to sinking of 18 British vessels by German Cruisers "Emden" and "Koenigsberg"
Total Number of Wrecks
Total Number of Casualties
Cyclone in Bay of Bengal
Cyclone in Mouths of Indus
Total Number of Wrecks
Increase due to Bay of Bengal Cyclone
Cyclone in Gulf of Martaban

Hellio-Lithographed at the Survey of India Offices, Calcutta.

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1919, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1903	206	1,823 (*d*)	50
1887	228	20,022	1,016 (*a*)	1904	164	6,095 (*e*)	73
1888	238	11,739 (*b*)	917	1905	147	3,470 (*f*)	86
1889	217	9,629	35	1906	172	5,545 (*g*)	82
1890	214	16,973	22	1907	189	8,602 (*h*)	70
1891	231	12,068	240	1908	225	11,768 (*i*)	55
1892	230	10,410	272	1909	391	18,620 (*j*)	69
1893	223	12,428	170	1910	242	8,280 (*k*)	64
1894	234	5,180	81	1911	202	12,308 (*l*)	74
1895	212	7,982	63	1912	219	9,165 (*m*)	138
1896	243	8,147	168	1913	169	5,518 (*n*)	98
1897	177	18,141	96	1914	157	55,149 (*o*)	44
1898	257	11,979	75	1915	128	12,824 (*p*)	20
1899	218	2,728	22	1916	141	9,564 (*q*)	59
1900	169	9,140	34	1917	161	30,930 (*r*)	214
1901	189	4,980	22	1918	173	11,736 (*s*)	91
1902	183	6,949 (*c*)	881	1919	188	26,535 (*t*)	116

From the foregoing it will be seen that during the past 34 years, *viz.*, from 1886 to 1919, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 211, the average total tonnage of vessels wrecked 12,406 and the average number of lives lost 164.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lomport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.
(*s*) Not including the tonnage of six British Indian vessels not given.
(*t*) Not including the tonnage of eight British and one British Indian vessels and one Native craft not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	RUPAREL	Native craft	Unknown	Calicut	Karachi	January 3rd
2	RUPAREL	British Indian	18	Bhavnagar	Broach	Do. 5th
3	KALBAHIBE	Do.	10	Trombay	Thana	Do. 6th
4	SAINT MICHAIEL	Do.	187	Mangalore	Colombo	Do. 8th
5	NARANPASA	Do.	71	Bombay	Karachi	Do. do.
6	VICTORIA	Do.	166	Rangoon	Madras	Do. 15th
7	GLENOGLE	British screw steamer	2,899	Do.	Calcutta	Do. 17th
8	GIROBE	Native craft	Unknown	Karachi	Mandvi	Do. 28th
9	DHANPRASAD	British Indian	46	Goa	Broach	Do. 30th
10	CARGO BOAT No. 526	Do.	35	Maungdaw	Chittagong	February 6th
11	SANTAN	Do.	7	Honawar	Shirali	Do. 20th
12	RUPAREL	Do.	10	Bombay	Bassein	Do. 22nd
13	CHITTAGONG	British sailing ship	244	Calcutta	Mauritius	Do. —
14	LABSAVAI	British Indian	13	Bombay	Ratnagiri	March 2nd
15	MURIEL	British motor launch	Unknown	Rangoon	Mergui	Do. 14th
16	BONOVENTO	Danish sailing barque	1,266	Cape Town	Colombo	Do. 16th
17	SADANA	Native craft (Goa)	99	Kasargad	Kolak	Do. 18th
18	SANCTORIA	British screw steamer	2,378	Bombay	Rangoon and Calcutta	Do. 21st
19	CARGO BOAT No. 15	British Indian	30	At anchor at Varakhal		Do do.
20	CARGO BOAT No. 227	Do.	46	Akyab	Chittagong	Do. 28th
21	YESHWANTI	Do.	10	Bombay	Jaigad	Do. do.
22	BEGUM	Do.	31	Mangalore Roads	Mangalore Port	April 12th
23	SAID ABDUR RAZAC	Do.	38	Do.	Do.	Do. do.
24	LAXMIPASA	Do.	87	Murmagao	Dabhol and Cutch Mandvi.	Do. 29th
25	VISHNU PRASAD	Do.	Unknown	Bombay	Vengurla	Do. 30th
26	PATHAHOOL JAVAD	Do.	35	Malpe	Cochin	Do. do.
27	BILIPRASAD	Native craft	23	Bombay	Bankot	May 14th
28	NASIBSAWAI	British Indian	9	Bhavnagar	Broach	Do. 25th
29	HODI	Native craft	5	Surat	Bhimpore	Do. 28th
30	TIBET	British steam launch	Not given	Shwegyin	Kyaukpon and Sittang	Do. 31st
31	NARANPRASAD	British Indian	42	Arnalla	Mahuva	June 3rd
32	SATHIANARAYANA	Do.	88	Akyab	Negapatam and Thoppuntursi.	Do. do.
33	COMA PRECIOUS	Native craft	262	Azikhal	Bombay and Karachi	Do. do.
34	VIJAM PASHA	Do.	76	Cochin	Bombay	Do. 5th
35	ISLAMABAD	British Indian	182	Akyab	Chittagong	Do. 8th
36	KALDIYA	British flat	Not given	Chhotak	Calcutta	Do. 9th
37	BHAWANI	British Indian	8	Ulwa	Panwel	Do. do.
38	DARYA DAULAT	Do.	6	Do.	Do.	Do. do.
39	SUGARPASA	Do.	127	Karachi	Jodiya	Do. 10th
40	SALWEEN	British sailing barque	800	Moulmein	Calcutta and Madras	Do. 13th
41	KHALPATI	British Indian	299	Calicut	Muscat and Karachi	Do. 14th

Waters during the year 1919.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Visawa creek	Bombay coast	Fire.—Unknown	All lost	None lost.
Near Vingni	Gulf of Cambay	Stranding.—Tides and currents	About all lost	Do.
Trombay creek	Bombay coast	Foundering.—Error of the Tindal	All lost	Do.
24 miles east of Overy	Gulf of Manar	Fire.—Unavoidable	Do.	Do.
Dhamlej	Kathiawar coast	Stranding.—Unavoidable	Do.	Do.
Lat. 15° 09′ N., long. 88° 21′ E.	Bay of Bengal	Foundering.—Sprung a leak	Do.	Do.
Rangoon	Burma coast	Stranding.—Error of the Pilot	Partially lost and partially damaged.	Do.
Near Keti Bundar	Sind do.	Do. Heavy weather	All lost	25 lives lost.
Narbada river	Gulf of Cambay	Do. Not reported	Partially lost	None lost.
Mouth of the Naaf river	Burma coast	Foundering.—Heavy weather	All lost	1 life lost.
Near the mouth of the Shirali creek.	Bombay do.	Stranding.—Heavy weather	Partially lost and partially damaged.	None lost.
Opposite Pali village	Do. do.	Do. Accidental	Do.	Do.
Exact spot unknown	Bay of Bengal	Foundering.—Heavy weather	All lost	20 lives lost.
Off Janjira	Bombay coast	Do. Sprung a leak	Do.	1 life lost.
Mouth of the Rangoon river	Burma do.	Fire.—Not reported	No cargo	3 lives lost.
Lat. 4° 2′ N., long. 82° 0′ E.	Indian Ocean	Do. Spontaneous combustion	All lost	None lost.
Mangalore bar	Malabar coast	Stranding.—Error of the Tindal	Do.	Do.
James and Mary Shoal	Hughli river	Do. Vessel's refusal to answer her helm.	Do.	Do.
Off Varakkal	Malabar coast	Stranding.—Heavy weather	Do.	Do.
Northward of Akyab	Burma do.	Do. do.	Do.	Do.
Opposite Hedvi Narvan	Bombay do.	Foundering.—Heavy weather	Do.	Do.
Off Mangalore harbour entrance.	Malabar do.	Stranding.—Error of the Tindal	Partially lost and partially damaged.	Do.
Do. do.	Do. do.	Do. do.	All lost	Do.
Dabhol bar	Bombay do.	Do. Tides and currents	About all lost	Do.
Off Nagaum	Do. do.	Do. do.	All lost	Do.
Off Someswar	Malabar do.	Foundering.—Sprung a leak	Partially lost and partially damaged.	Do.
Mouth of the Revdanda creek	Bombay do.	Stranding.—Unavoidable	Do.	Do.
Near Lohara	Gulf of Cambay	Do. Heavy weather	Partially lost	Do.
Near Bhimpore	Do. do.	Do. do.	All lost	Do.
Sittang river	Burma coast	Foundering.—Error of the Serang	Do.	15 lives lost.
2 miles south of Arnalla Custom House.	Bombay do.	Stranding.—Tides and currents	Partially lost and partially damaged.	None lost.
2 miles north of Velangany Bay.	Madras do.	Do. Heavy weather	No cargo	Do.
Porbandar	Kathiawar do.	Do. do.	Partially lost	Do.
Cochin bar	Malabar do.	Do. do.	Do.	Do.
St. Martin's rock, north	Burma do.	Foundering.—Heavy weather	All lost	Do.
Attarabanka river	Sunderbans	Stranding.—Error of the Serang	Do.	Do.
Near Nimbara	Bombay coast	Capsized.—Heavy rush of rain water	Do.	Do.
Do.	Do. do.	Do. do.	Do.	Do.
Near Cutch Mandvi	Gulf of Cutch	Stranding.—Heavy weather	Do.	2 lives lost.
6 miles S. S. W. of Eastern Channel light-vessel.	Bay of Bengal	Foundering.—Heavy weather	Do.	None lost.
Between Muscat and Gwadar	Arabian Sea	Do. do.	Do.	Do.

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
42	Hooghly	British steam fire float.	181	Hughli river		June 14th
43	Habipassa	Native craft	68	Basra	Toona	Do. 19th
44	Charles Tellier	French screw steamer	720	Port Said	Aden and Basra	Do. 27th
45	War Puffin	British screw steamer	3,176	Newport	Moulmein and Calcutta.	Do. 30th
46	War Roman	Do.	3,240	Java	Colombo and Falmouth.	July 12th
47	Dehri	British steam snag boat.	70	Employed at snag lifting in Attarabanka river.		Do. 17th
48	Pakia Lakshmi	British Indian	144	Valvettiturai	Cocanada and Colombo	August 8th
49	George	British steam launch	Not given	Calcutta	Khulna	Do. 12th
50	Otaru Maru No. 3	Japanese screw steamer.	1,881	Singapore	Marseilles	Do. 20th
51	Khudamilai	Native craft	13	Karachi	Gizree and Jungle Garro.	September 4th
52	Retriever	British steam tug	84	Calcutta	Sandheads	Do. 7th
53	Burdwan	British Inland steamer	532	Do.	Khulna	Do. 15th
54	Yeshwanti	British Indian	77	Malwan	Alleppey	Do. 21st
55	Nonai	British flat	Not given	Calcutta	Tarpassa	Do. 24th
56	Abdraishaig	Do.	Do.	Do.	Do.	Do. do.
57	Lilwan	Do.	Do.	Do.	Cachar	Do. 25th
58	Arjuna	British Inland steamer	60	Kallia	Khulna	Do. do.
59	Bellona	British flat	Not given	Khulna	Calcutta	Do. do.
60	Dangi Rajan Ram	Native craft	63	Porbandar	Bombay	Do. 27th
61	Familhin	British sailing vessel	921	Nyounohla	Rangoon	Do. 28th
62	Dabiadowjee	British Indian	36	Azikhal	Karachi	October 12th
63	Fattehalli	Do.	244	Bombay	Karwar and Cochin	Do. 19th
64	Kalyanprasad	Do	32	Do.	Karwar	Do. 26th
65	Kisb Salamaty	Do.	84	Mangalore	Karachi	Do. 31st
66	Fazilka	British screw steamer	2,698	Penang	Madras	Do. do.
67	Rupabel	Native craft	60	Cochin	Mahuva	November 4th
68	Kashiprasad	Do.	29	Bombay	Albert Victor	Do. 6th
69	Haripersad	Do.	21	Do.	Bhavnagar	Do. 9th
70	Lakshiminarayan	British Indian	178	Chittagong	Moulmein	Do. 16th
71	Lakshmi Narayana	Do.	83	Jaffna	Rangoon and Calcutta	Do. do.
72	Venkatraja	Native craft	340	Moulmein	Calcutta	Do. 17th
73	Hyastan	British sailing barquentine.	1,062	Rangoon	Do.	Do. do.
74	Vasant Panchni	British Indian	100	Karachi	Basra and Jackow	Do. 20th
75	Rupabel	Do.	105	Azikhal	Karachi	Do. 23rd
76	Waru	Do.	4	Fishing at sea off Valneshwar		Do. 28th
77	Dhan Prasad	Do.	28	Mangalore	Bhavnagar	Do. 30th
78	Keshow Prasad	Do.	13	Bombay harbour		December 14th
79	Zavar Pasa	Do.	164	Rangoon	Basra	Do. 15th

Waters during the year 1919.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Howrah bridge	Hughli river	Collision with the Howrah bridge.—Tides and currents.	No cargo	None lost.
Cair Char, near Tursian mouth	Sind coast	Foundering.—Heavy weather	All lost	Do.
Lat. 22° 14′ N., long. 59° 46′ E.	Arabian coast	Stranding.—Not reported	Do.	Do.
Longstone reefs, Amherst	Burma do.	Do. Error of the Master and the Pilot.	Do.	Do.
Lat. 11° 35′ N., long. 51° 16′ E.	Africa, east coast	Stranding.—Error of the 3rd Officer	Unknown	Do.
Mouth of the Attarabanka river.	Sunderbans	Foundering.—Penetrating of a snag in the hull.	No cargo	Do.
Surasianiyanam	Madras coast	Foundering.—Unavoidable	All lost	Do.
Khulna	Roopsa river entrance	Collision with flat "Dumduma" in tow of I.S.V. "Moulmein."—Error of the Serang of the "Moulmein."	No cargo	Do.
Ras Jard Hafun	Africa, east coast	Stranding.—Tides and currents	All lost	Do.
Baghar Canal	Sind coast	Foundering.—Heavy weather	Partially lost and partially damaged.	Do.
Munikholi Crossing	Hughli river	Collision with the sailing vessel "Kinrossshire."—Tides and currents.	No cargo	1 life lost.
Walcot island, Channel creek	Do.	Stranding.—Error of the Master and the Chief Officer.	Do.	None lost.
Off Sadashivgad	Bombay coast	Stranding.—Heavy weather	Do.	Do.
Tarpassa	Pudda river	Foundering.—Heavy weather	All lost	Do.
Do.	Do.	Do. do.	Do.	9 lives lost.
Near Madaripur	Palong river	Do. do.	Do.	1 life lost.
Opposite Khulna	Roopsa river	Do. do.	Do.	11 lives lost.
Sunderbans	Kaga river	Stranding.—Heavy weather	Do.	None lost.
Near Surat river bar	Gulf of Cambay	Foundering.—Heavy weather	Do.	Do.
Bassein creek	Burma coast	Stranding.—Falling tide	Do.	Do.
Kasargad Port	Malabar do.	Do. Error of the Tindal	Partially lost	Do.
Near Karwar	Bombay do.	Do. do.	All lost	Do.
Off Boria	Do. do.	Do. Heavy weather	In ballast	Do.
Off Utchil	Malabar do.	Foundering.—Unavoidable	All lost	Do.
Lat. 6° 57′ N., long. 93° 55′ E.	Bay of Bengal	Stranding.—Error of the 2nd Officer	Do.	2 lives lost.
Cochin harbour	Malabar coast	Do. Tides and currents	Partially lost and partially damaged.	None lost.
Rajpura	Kathiawar do.	Do. Heavy weather	No cargo	Do.
Between Bhagwa and Broach	Gulf of Cambay	Do. Not reported	All lost	Do.
Fakir shoal	Burma coast	Do. Heavy weather	Do.	2 lives lost.
S. S. E. of Savage island lighthouse.	Do. do.	Do. do.	Do.	6 lives lost.
Baragua flat	Do. do.	Do. do.	Do.	None lost.
100 miles S. E. of Baruva	Madras do.	Abandoned—Heavy weather	Partially lost	Do.
Ras Nohan	Persian Gulf	Stranding.—Heavy weather	All lost	Do.
Azikhal bar	Malabar coast	Do. Tides and currents	Partially lost	Do.
6 miles off Borya	Bombay do.	Collision with the S.S. "Irrawadi."—Non-exhibition of light.	All lost	Do.
Mangalore harbour entrance	Malabar do.	Stranding.—Tides and currents	Do.	Do.
Bombay harbour	Bombay do.	Collision with a steamer.—Accidental	Do.	Do.
Lat. 16° 14′ N., long. 93° 40′ E.	Bay of Bengal	Foundering.—Heavy weather	Do.	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
80	Rehmani	British Indian	261	Karachi	Charbar and Gwadar	December 26th
81	Dowlat Pasa	Do.	207	Rangoon	Karachi	Do. 30th
82	Maharani	Do.	243	Akyab	Pamban	Do. do.
83	Vithal Pasa	Do.	169	Rangoon	Basra	Do. do.
84	Laxmipasa	Do.	102	Do.	Do.	Do. 31st

Waters during the year 1919.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Off Gwadar	Beluchistan coast .	Collision with the S.S. "Palitana."—Accidental.	In ballast .	None lost.
Near Preparis island . .	Burma do. .	Stranding.—Not reported . . .	All lost . .	Do.
Near Sriharikota . .	Coromandel do. .	Do. Heavy weather . .	Do. . .	Do.
5 miles south of Pulicat light-house.	Do. do. .	Foundering.—Heavy weather . .	Do. . .	Do.
5 miles south of Tirumalavasal	Do. do. .	Stranding.—Heavy weather . .	About all lost .	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED,

E.—Casualties reported in India

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	LAXMI	British Indian	10	Bhiwandi	Bombay	January 3rd
2	DOLUTPASA	Do.	82	Rangoon	Pamban and Bombay	Do. 6th
3	KHENGATI	Do.	10	Mora	Vengurla	Do. 16th
4	DAIBEN MARU	Japanese screw steamer.	2,498	Kobe	Rangoon and Calcutta	Do. 26th
5	GANESHPASA	Native craft	56	Bombay	Porbandar	Do. 29th
6	MANIKPRASAD	British Indian	26	Bhavnagar	Bombay	Do. 31st
7	SPHINX	His Britannic Majesty's steamer.	1,130	Calcutta	Chittagong and Akyab.	February 13th
8	MALSAY PRASAD	Native craft (Murmagao).	41	Tellicherry	Badagara and Bombay.	Do. 18th
9	GARRYVALE	British screw steamer	2,456	Calcutta	Colombo	Do. 26th
10	MINERIC	Do.	2,988	Liverpool	Calcutta and Valparaiso.	Do. 27th
11	CHUPRA	Do.	3,962	Calcutta	London	Do. do.
12	DASTGIRI	British Indian	34	Mangalore	Bankot	March 3rd
13	GANAPATIPRASAD	Do.	21	Kalyan	Bombay	Do. 4th
14	CARGO BOAT No. 216	Do.	15	Malpe	Mangalore and Kasargad.	Do. 10th
15	HARMEDIA	Native craft	42	Bombay	Nawa Bundar	Do. 15th
16	KOUN MARU	Japanese motor vessel	137	Rangoon	Penang	Do. 20th
17	SAWAI BAHADUR	British Indian	28	Mora	Thana	Do. 29th
18	FATTEMUBARAK	Do.	14	Bellapur	Trombay	Do. do.
19	LANGTON HALL	British screw steamer	4,211	New York	Calcutta and Dundee	April 1st
20	DHANPRASAD	British Indian	18	Nigda	Bombay	Do. 2nd
21	MATAJI	Do.	50	Sadashivgad	Do.	Do. 3rd
22	SAKRI SALAMATI	Do.	21	Revdanda	Do.	Do. do.
23	VINALI PRASAD	Do.	29	Manori	Arnalla and Bhawanagar.	Do. do.
24	GHELLANI	Do.	10	Khara Chan	Keti Bundar and Karachi.	Do. 4th
25	CADEIO	Do.	31	Lakhpat	Keti Bundar	Do. 6th
26	SANTAN	Do.	9	Bombay	Varoda	Do. 16th
27	FIROOZI	British screw steamer	2,029	Do.	Bassein	Do. do.
28	CITY OF MANCHESTER	Do.	3,566	Liverpool	Colombo and Calcutta	May 6th
29	GLENAPP	British motor vessel	4,623	London	Suez and Penang	Do. do.
30	JOTI	British steam launch	26	At Calcutta		Do. 8th
31	DARA	British screw steamer	3,083	Bombay	Suez	Do. 12th
32	BERCONIAN	Do.	2,577	Calcutta	Colombo	Do. 13th
33	ORSEOLO	Italian screw steamer	2,849	Do.	Colombo and Venice	Do. do.
34	KHIVA	British twin screw steamer.	5,703	Tilbury	Bombay	Do. 14th
35	JATTRA	Do.	151	Calcutta	Rangoon and Mergui	Do. 31st
36	LAXMI SAKHRI	British Indian	4	Vesova	Utan	June 1st

Waters during the year 1919.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Kewani	Bombay coast	Stranding.—Unavoidable	All lost	None lost.
Koyalpatam	Gulf of Manar	Do. Heavy weather	Partially lost	Do.
Uran creek	Bombay coast	Do. Accidental	Partially lost and partially damaged.	Do.
Jellingham Channel	Hughli river	Do. Error of the Pilot	None lost	Do.
Porbandar creek	Kathiawar coast	Do. Heavy weather	Partially lost	Do.
Opposite Danda	Bombay do.	Do. do.	Partially lost and partially damaged.	Do.
Karnafuli river	Chittagong do.	Fire.—Explosion	Unknown	Do.
Off Cannanore	Malabar do.	Foundering.—Heavy weather	None lost	Do.
Fisherman's Point	Hughli river	Stranding.—Error of the Pilot	Do.	Do.
Jarmakeli's Reach	Do.	Do. do.	Do.	Do.
Panchpara	Do.	Do. Unavoidable	Do.	Do.
Bankot bar	Bombay coast	Do. Error of the Tindal	Partially lost	Do.
Thana creek	Do. do.	Foundering.—Old age of the vessel	Do.	Do.
Kasargad Harbour	Malabar do.	Stranding.—Tides and currents	Do.	Do.
Mouth of Vasawa creek	Bombay do.	Sprung a leak.—Accidental	Partially lost and partially damaged.	Do.
Off Elephant Pt., Rangoon river.	Burma do.	Collision with Upper Spit buoy.—Navigated without a tug.	None lost	Do.
Panwell creek	Bombay do.	Foundering.—Heavy weather	All lost	Do.
Off Trombay Barge	Do. do.	Do. do.	Do.	Do.
Garden Reach	Hughli river	Stranding.—Error of the Pilot	None lost	Do.
Rewas creek	Bombay coast	Do. Tides and currents	All lost	Do.
Alibag Port	Do. do.	Do. Heavy weather	Partially lost	Do.
Off Canary islands	Do. do.	Capsized.—Heavy weather	All lost	Do.
Arnalla	Do. do.	Stranding.—Tides and currents	Partially lost	Do.
Hussen Vale creek	Sind do.	Foundering.—Heavy weather	Partially lost and partially damaged	Do.
Khanbir Waro Thoro near Mull mouth.	Do. do.	Damage to vessel.—Heavy weather	No cargo	Do.
Tivri Port	Bombay do.	Stranding.—Heavy weather	None lost	Do.
Vincent Reach, Bassein river	Burma do.	Do. Helm not being answered	No cargo	Do.
Off Colombo Break-water entrance.	Ceylon do.	Collision with the motor vessel "Glenapp."—Accidental.	None lost	Do.
Do. do.	Do. do.	Collision with the S.S. "City of Manchester."—Accidental.	Do.	Do.
Calcutta	Hughli river	Collision with the cargo boat No. 24.—Faulty construction of the vessel.	No cargo	2 lives lost.
Bombay harbour	Bombay coast	Fire.—Unavoidable	Partially damaged	None lost.
Budge-Budge Reach	Hughli river	Collision with the S.S. "Orsolo."—Error of the Pilots of both vessels.	None lost	Do.
Do.	Do.	Collision with the S.S. "Breconian."—Error of the Pilots of both vessels.	Do.	Do.
Bombay	Bombay coast	Collision with the Prince's Dock wall.—Not reported.	Do.	Do.
Long Sand, Saugor	Hughli river	Stranding.—Vessel's dragging her anchor.	Do.	Do.
Opposite Utan port	Bombay coast	Stranding.—Heavy weather	Partially lost	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
37	THONGWA	British twin screw steamer.	3,428	Calcutta	London	June 2nd
38	DOLAT PASA	Native craft	107	Cochin	Bombay	Do. do.
39	KANELI	British Indian	6	Bombay	Kelshi	Do. 3rd
40	LAXMIPRASAD	Do.	16	Bankot	Umarsadi	Do. do.
41	MAHOMED THERNARANNAL	Do.	29	Talamannar	Pamban	Do. do.
42	MOHIDIN SAMDANY HYDROSE	Do.	63	Anchored in Pamban Port		Do. do.
43	SYED MOHAMED FASSI	Do.	180	Do.	do.	Do. do.
44	MOHIDIN BUX LUKSHMI	Do.	85	Do.	do.	Do. do.
45	SREE RAJYALUKSHME	Do.	297	Akyab	Valvettiturai and Pamban.	Do. do.
46	ZANJO JHAVERPASA	Native craft	163	Bombay	Porbandar	Do. do.
47	BHAWANI	British Indian	3	Do.	Rewas	Do. 4th
48	MAUTMAULI	Do.	6	Ulwa	Panwel	Do. 9th
49	LAXUMI	Do.	8	Bombay	Bhiwandi	Do. do.
50	KATHLAMBA	British screw steamer	4,104	Calcutta	Madras and New York	Do. 10th
51	GEELCALDY	Do.	2,619	Port Pirie	Colombo and Port Said	July 9th
52	KOWEIT	Do.	2,393	Berbera	Bombay	Do. 18th
53	SURAM	Do.	2,338	Rangoon	Madras	Do. do.
54	OQUENDO	Spanish screw steamer	1,872	Marseilles	Port Said and Colombo.	Do. 23rd
55	ARANKOLA	British twin screw steamer.	1,725	Calcutta	Rangoon	Do. 26th
56	NORE	Do.	4,188	Do.	Colombo and London	Do. do.
57	PRINCESS	Do.	5,002	Do.	Do.	Do. 28th
58	WISLEY	British screw steamer	2,717	Liverpool	Colombo and Port Said.	Do. 31st
59	TOYO MARU	Japanese screw steamer.	2,283	Batavia	Colombo and Rotterdam.	Do. —
60	MAUTMAULI	British Indian	5	Bombay	Thal	August 3rd
61	GUJARAT	British screw steamer	2,877	Calcutta	Colombo and Cape Ports.	Do. 13th
62	MAUTMAULI	British Indian	1	Uttan	Bassein	Do. 17th
63	BHAWANI	Do.	7	Bombay	Belpada	Do. 22nd
64	GANGA	British steam launch	Not given	Myaungmya	Rangoon	Do. 25th
65	OOLOBARIA	British screw steamer	3,437	Rangoon	Cuddalore	Do. 30th
66	HORAISAN MARU	Japanese screw steamer.	4,433	Dairen	Singapore and Hull	Do. —
67	LOWMOOR	British screw steamer	2,560	Bombay	Hull	September 2nd
68	KINROSS-SHIRE	British sailing vessel	2,168	Calcutta	St. Helena	Do. 7th
69	SANGOLA	British screw steamer	3,349	Singapore	Calcutta	Do. 9th
70	BANKURA	Do.	1,905	Bombay	Muscat and Bunder Abbas.	Do. 16th
71	BOENAGOR	British steam launch	Not given	Anchored at Dacca		Do. 23rd
72	SZIKGYI	British sailing vessel	330	Rangoon	Calcutta	Do. 24th

Waters during the year 1919.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Sangor flat	Hughli river	Stranding.—Error of the Pilot	None lost	None lost.
Cochin bar	Malabar coast	Do. Error of the Tindal	Partially lost	Do.
Ada creek	Bombay do.	Turned sidewise.—Heavy weather	Partially lost and partially damaged.	1 life lost.
Bankot creek	Do. do.	Stranding.—Insufficient water	No cargo	None lost.
Pamban Port	Palk Bay	Foundering.—Heavy weather	Partially lost	Do.
Do.	Do.	Stranding.—Heavy weather	In ballast	Do.
Do.	Do.	Do. do.	Do.	Do.
Do.	Do.	Do. do.	Do.	Do.
Do.	Do.	Do. do.	Do.	Do.
Porbandar	Kathiawar coast	Do. do.	Partially lost and partially damaged.	Do.
Near Cansha rocks	Bombay do.	Do. do.	No cargo	Do.
Near Nimbara	Do. do.	Capsized.—Tides and currents	All lost	Do.
Nandurkhi entrance	Do. do.	Do. Heavy weather	Partially lost and partially damaged.	Do.
Moyapore bar	Hughli river	Stranding.—Carrying away of steering gear.	None lost	Do.
Kordiva channel, Maldive islands.	Arabian Sea	Stranding.—Tides and currents	Unknown	Do.
Bombay	Bombay coast	Capsized.—Error of the Master and the Chief Officer.	No cargo	Do.
Rangoon river	Burma do.	Stranding.—Accidental	None lost	Do.
Lat. 12° 30′ N., long. 44° 00′ E.	Gulf of Aden	Collision with an unknown vessel.—Not reported.	Do.	Do.
Garden Reach	Hughli river	Stranding.—Defective engines	Do.	Do.
Do.	Do.	Do. Vessel's taking a sheer against her helm.	Do.	Do.
Do.	Do.	Stranding.—Error of the Pilot	Do.	Do.
Lat. 9° 19′ 48″ N., long. 58° 15′ 45″ E.	Arabian Sea	Damage to vessel.—Tides and currents	Do.	Do.
Near Socotra	Do.	Fire.—Spontaneous combustion	Partially damaged	Do.
Off Kihim	Bombay coast	Foundering.—Heavy weather	No cargo	Do.
Jellingham Channel	Hughli river	Stranding.—Vessel's taking a sheer to starboard.	None lost	Do.
Uttan bay	Bombay coast	Capsized.—Heavy weather	In ballast	1 life lost.
Morbe	Do. do.	Stranding.—Heavy weather.	No cargo	None lost.
Rangoon harbour	Burma do.	Foundering.—Heavy weather	Do.	1 life lost.
Near Cuddalore Anchorage	Madras do.	Stranding.—Error of the Master	None lost	None lost.
Ras-al-Ara	Gulf of Aden	Do. Not reported	Do.	Do.
Aden Roads	Do.	Collision with the S.S. "Australian."—Accidental.	Do.	Do.
Munikholi Crossing	Hughli river	Collision with the S.T. "Retriever."—Tides and currents.	Do.	Do.
Fulta Point	Do.	Stranding.—Tides and currents	Do.	Do.
Bunder Abbas	Persian Gulf	Do. Accidental	Do.	Do.
Dacca	Buriganga river	Foundering.—Heavy weather	No cargo	1 life lost.
Lat. 21° 15′ N., long. 89° 33′ E.	Bay of Bengal	Damage to vessel.—Heavy weather	None lost	None lost.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
73	TUMSAR	British flat	Not given	Calcutta	Narainganj	September 24th
74	TIBTAL	Do.	Do.	Do.	Do.	Do. do.
75	BIHMARI	Do.	Do.	Do.	Tarpassa	Do. do.
76	GOALABARI	Do.	Do.	At Tarpassa		Do. do.
77	DIANA	British steam launch	Do.	At Dacca		Do. do.
78	ARDLUI	Do.	Do.	Mohinpur	Narainganj	Do. do.
79	AMETHYST	Do.	Do.	At Narainganj		Do. do.
80	OPAL	Do.	Do.	Do.		Do. do.
81	TYKE	Do.	Do.	Bajitpur	Narainganj	Do. 25th
82	PARBATTI	British Inland steamer	55	Calcutta	Lalitpur	Do. do.
83	VAYU	Do.	68	Do.	Khulna and Boalmari	Do. do.
84	BOMBAY	Do.	370	Do.	Chandpur and Khulna	Do. do.
85	LEMRO	British flat	Not given	Do.	Narainganj and Cachar.	Do. do.
86	KHENGTI	British Indian	25	Dabhol	Bombay	October 1st
87	DEVAGAD	Do.	10	At anchor in Alibag Port		Do. 2nd
88	MITAU	Danish screw steamer	2,678	Bangkok	Sabang and Copenhagen.	Do. 13th
89	ZAYANI	British screw steamer	2,627	Jeddah	Aden and Bombay	November 5th
90	PIRMADAT	Native craft (Portuguese).	11	Bombay	Bankot	Do. 7th
91	VIRAWA	British screw steamer	2,176	Penang	Moulmein	Do. 8th
92	P. RUPAREL	British Indian	9	Broach Bhatta	Bhavnagar	Do. 19th
93	KABINGA	British screw steamer	2,925	Singapore	Chittagong and Calcutta.	Do. 20th
94	YESERIC	Do.	3,220	Calcutta	Boston	December 5th
95	LAKHMIPRASAD	British Indian	40	Bombay	Bhavnagar	Do. 6th
96	FALCON	British screw steamer	136	Aden	Berbera and Zaila	Do. 7th
97	KADARYA	British Indian	34	Bombay	Mora	Do. 21st
98	NETRABANPRASAD	Do.	74	Karanja	Cochin	Do. 22nd
99	AZIZ	Do.	55	Vengurla	Naolakhi	Do. 23rd
100	YOONZALEEN	British sailing barque	610	Moulmein	Calcutta	Do. 24th
101	HABIPASA	British Indian	38	Porbandar	Bombay	Do. 30th
102	PORTO DI SAVONA	Italian screw steamer	2,563	Genoa	Massawah and Djibouti.	Do. —
103	FANNY*	British steam launch	Not given	At Fatulla		September 24th
104	ALICE*	Do.	Do.	At Dacca		Do. do.

* Received later.

Waters during the year 1919.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Narainganj	Sitalakhya river	Foundering.—Heavy weather	All damaged	None lost.
Do.	Do.	Fire.—Heavy weather	Partially damaged	Do.
Jalma	Roopsa river	Stranding.—Heavy weather	Do.	Do.
Tarpassa	Pudda river	Do. do.	Do.	Do.
Dacca	Buriganga river	Foundering.—Heavy weather	No cargo	1 life lost.
Mohinpur	Brahmaputra river	Do. do.	Do.	None lost.
Narainganj	Sitalakhya river	Do. do.	Do.	Do.
Do.	Do.	Do. do.	Do.	Do.
Near Azabpur	Megna river	Do. do.	No cargo	Do.
Lolitpur	Dhallaseri river	Stranding.—Heavy weather	All lost	Do.
Above Khulna	Attarabanka river	Do. do.	Do.	Do.
Opposite Sureshar	Pudda river	Do. do.	No cargo	1 life lost.
Narainganj	Sitalakhya river	Foundering.—Heavy weather	All lost	9 lives lost.
Dabhol bar	Bombay coast	Stranding.—Tides and currents	About all lost	None lost.
Alibag	Do. do.	Do. Heavy weather	No cargo	Do.
Lat. 5° 30′ N., long. 81° 38′ E.	Bay of Bengal	Fire.—Unknown	Partially damaged	Do.
Lat. 16° 59′ N., long. 62° 30′ E.	Arabian Sea	Damage to vessel.—Heavy weather	In ballast	Do.
Bankot bar	Bombay coast	Stranding.—Heavy weather	All lost	Do.
Moulmein	Burma do.	Do. Sudden shift of sand	None lost	Do.
Near Broach Bhatta	Gulf of Cambay	Do. Tides and currents	All lost	Do.
Chittagong Port	Chittagong coast	Do. Accidental	None lost	Do.
Socotra	Arabian Sea	Do. Hazy weather	Partially lost	Do.
Bhavnagar creek	Gulf of Cambay	Collision with the harbour wall.—Tides and currents.	Partially damaged	Do.
Approaches to Zaila	Gulf of Aden	Stranding.—Accidental	None lost	Do.
St. Antone creek	Bombay coast	Do. do.	Partially lost	Do.
Cochin	Malabar do.	Do. Tides and currents	Do.	Do.
Dabhol bar	Bombay do.	Do. Accidental	Partially lost and partially damaged.	Do.
Moulmein	Burma do.	Do. Vessel's taking a sheer to port.	None lost	Do.
Near Dhamlej	Kathiawar coast	Stranding.—Tides and currents	Do.	Do.
Lat. 13° 2′ N., long. 42° 45′ E.	Red Sea	Do. do.	Do.	Do.
Fatulla	Buriganga river	Do. Heavy weather	No cargo	Do.
Dacca	Do. do.	Foundering.—Heavy weather	Do.	Do.

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RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1920

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-FIVE YEARS

PREPARED BY

CAPTAIN A. E. HAROLD, D.S.O., R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1921

REVIEW.

THE Statistics of the Wrecks and Casualties in Indian Waters for the year 1920 record a very gratifying result as the number of Wrecks and the loss of tonnage and lives compare very favourably with those of recent years, *viz.*, the number of Wrecks in 1920 is 46 against 84, 74, 65 and 59 in 1919, 1918, 1917 and 1916 respectively; likewise the total tonnage lost is 18,322 against 26,535 in 1919; the total number of lives lost in the year under review aggregates 13 only, which is certainly an appreciable decrease since the year 1886 as recorded in this Return. Moreover there have not been any serious disasters to call for special notice except perhaps in the case of—

(1) the British screw steamer "Akbar" whilst on a voyage from Bombay to Jeddah *vid* Aden with a crew of 117 hands and 1,175 pilgrims, an explosion occurred which, caused by spontaneous combustion in coal, in lat. 17° 45′ N., long. 64° 56′ E., Arabian sea, at 9 A.M. of the 24th July 1920 resulted in the loss of 2 lives from shock. The vessel sustained no damage.

(2) the British Indian craft "Villiprasad" whilst proceeding from Goa to Broach stranded on a sand bank off the Lohara lighthouse, Gulf of Cambay, on the 11th June 1920 and subsequently became a total loss. Four out of the crew of nine swam ashore, one was found dead and nothing was heard of the remaining four.

The number of Wrecks and Casualties embodied in this Ruturn is 151, *viz.*, 46 Wrecks and 105 Casualties.

The Wrecks consist of 9 British, 33 British Indian and 1 Foreign vessels and 3 Native craft. The Casualties comprise 55 British, 26 British Indian and 13 Foreign vessels and 11 Native craft.

There are 1 Collision, 14 Founderings, 25 Strandings and 6 Miscellaneous cases amongst the Wrecks and 19 Collisions, 3 Founderings, 53 Strandings and 30 Miscellaneous accidents amongst the Casualties.

Casualties of very little importance have not been included in this Return.

The table "General locality" in which these Wrecks and Casualties occurred, shows that 25 occurred on the Bombay coast, 24 in the Hughli river, 18 on the Burma coast, 17 on the Kathiawar coast and in the Gulf of Cambay, 14 on the Malabar coast, 10 on the Ceylon coast, 7 in the Arabian sea, 7 on the Madras and Coromandel coasts, 5 in the Gulf of Aden and Red sea, 5 in the Bay of Bengal, 4 on the Sind coast and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show :— (A) the causes to which the reported wrecks and casualties are attributed; (B) a comparative statement of the reported number of Wrecks and Casualties recorded in the Indian Wreck Department from the years 1886 to 1920, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1920, inclusive; (D) a tabular statement of the wrecks and (E) a tabular statement of the Casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1920 are also appended to this Return.

In conclusion, I must thank the various Marine Authorities in India and the Shipping Firms in Calcutta, for supplying me with detailed information relating to the Wrecks and Casualties herein recorded.

A. E. HAROLD *Captain, R.I.M.,*

Port Officer and Registrar of Wrecks, Calcutta.

The 31st March, 1921.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	1	567	...	1	97	...	3	7,414	...	2	(a)3,172	...
Sailing	...	...	...	2	709	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	11	1,311	4	20	1,698	5	2	78	...
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	1	16	2	2	175	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	1	3,085	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1	567	...	14	2,117	4	25	12,213	7	6	3,425	...
CASUALTIES.												
British vessels.												
Steam	15	35,190	...	...	...	...	25	53,582	...	15	37,374	2
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian vessels.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	1	330	...	2	49	...	15	729	...	8	993	...
Native craft of all nationalities.												
Sailing	...	...	...	1	197	...	5	313	...	5	528	...
Vessels of Foreign nationalities.												
Steam	3	11,060	...	...	...	...	8	20,240	...	2	5,532	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	
Total ...	19	46,600	...	3	246	...	53	74,864	...	30	44,427	2
GRAND TOTAL ...	20	47,167	...	17	2,363	4	78	87,077	7	36	47,852	2

(a) Not including the tonnage of 1 British vessel not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1920, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	WRECKS.						Total.	CASUALTIES.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	23	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	35	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	34	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	34	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	191
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	..	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96
1918	3	2	57	1	10	1	74	17	8	61	5	6	2	99
1919	17	8	39	6	18	1	84	47	13	37	1	5	1	104
1920	7	3	31	2	3	...	46	37	31	22	4	10	1	105

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1920 inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1904	164	6,095(*e*)	73
1887	228	20,022	1,016(*a*)	1905	147	3,470(*f*)	86
1888	238	11,739(*b*)	917	1906	172	5,545(*g*)	82
1889	217	9,629	35	1907	189	8,602(*h*)	70
1890	214	16,973	22	1908	225	11,768(*i*)	55
1891	231	12,068	240	1909	391	18,620(*j*)	69
1892	230	10,410	272	1910	242	8,280(*k*)	64
1893	223	12,428	170	1911	202	12,306(*l*)	74
1894	234	5,180	81	1912	219	9,165(*m*)	138
1895	212	7,982	63	1913	169	5,518(*n*)	98
1896	243	8,147	168	1914	157	55,149(*o*)	44
1897	177	18,141	96	1915	128	12,824(*p*)	20
1898	257	11,979	75	1916	141	9,564(*q*)	79
1899	218	2,728	22	1917	161	30,930(*r*)	214
1900	169	9,140	34	1918	173	11,736(*s*)	91
1901	189	4,980	22	1919	188	26,535(*t*)	116
1902	183	6,949(*c*)	831	1920	151	18,322(*u*)	13
1903	206	1,823(*d*)	50				

From the foregoing it will be seen that during the past 35 years, *viz.*, from 1886 to 1920, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 209, the average total tonnage of vessels wrecked 12,575 and the average number of lives lost 159.

Notes—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lomport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.
(*s*) Not including the tonnage of six British Indian vessels not given.
(*t*) Not including the tonnage of eight British and one British Indian vessels and one Native craft not given.
(*u*) Not including the tonnage of one British vessel not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED

D.—Wrecks reported in Indian

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	KISHTI MOBAREK ...	British Indian ...	188	Rangoon ...	Jamnagar	January 2nd ...
2	NAMUNA	Native craft (Beluchi).	167	Karachi ...	Cochin	Do. 7th ...
3	PURUSHOTOMPRASAD ...	British Indian ...	71	Viziadrng ...	Revdanda and Alleppy	Do. 21st ...
4	LAXMIPRASAD ...	Do.	28	Bombay ...	Nawapur	Do. 25th ...
5	KHATASPRASAD ...	Do.	17	Mora ...	Vesawa	February 3rd ...
6	REHMANI	Do.	37	Jamnagar ...	Henjam and Karachi ...	Do. 7th ...
7	KHATAVPRASAD ...	Do.	25	Porbander ...	Azhikal and Bhavnagar	Do. do. ...
8	GANJA HAMEEDIAH ...	Do.	318	Bombay ...	Linga and Karachi ...	Do. 9th ...
9	M. KILLAR SALAMATHY ...	Do.	14	Kasargad ...	Mangalore ...	Do. 22nd ...
10	EDINBURGH	British Flat ...	600	Narayanganj ...	Calcutta	Do. 27th ...
11	ATHEATHOOL JAVADI ...	British Indian ...	42	Tellicherry	Kasargad	March 22nd ...
12	BOTANIST	British screw steamer.	1,912	Calcutta ...	Colombo and London ...	Do. 24th ...
13	LABHASAWAI	Native craft ...	16	Aliabet ...	Bhavnagar ...	April 5th ...
14	BENG MOH	British sailing vessel.	109	Penang ...	Rangoon	Do. 17th ...
15	FAILU SALAMATI ...	British Indian ...	148	Mora... ...	Jaitapur and Cochin ...	Do. 22nd ...
16	MEERASAHIB	Do.	60	Akyab ...	Madras	Do. 24th ...
17	YESHWANTY	Do.	6	Purnagad ...	Ratnagiri and Mora ..	Do. 25th ...
18	MEANATCHY	Do.	288	Cocanada ...	Jaffna	Do. 29th ...
19	AUNG CHAN	Do.	20	Moulmein ...	Mergui	May 1st ...
20	KASHIPRASAD	Do.	20	Dahanu ...	Bombay	Do. 5th ...
21	PADAUK	Do.	532	Madras ...	Rangoon	Do. 6th ...
22	SUKESHI	British Inland steamer.	97	Calcutta ...	Ranichuck ...	Do. 10th ...
23	GODAVRIPRASAD ...	British Indian ...	18	Broach ...	Bhavnagar ...	Do. 11th ...
24	MAYO	British R. I. M. steamer.	567	At Rangoon ...		Do. 13th ...
25	YESHWANTY	British Indian ...	6	Bombay ...	Ratnagiri	Do. 19th ...
26	CORDOBA	British steam Hire Transport.	3,172	London ...	Colombo and Aden ...	Do. 21st ...
27	VICTORIA	British Indian ...	235	Cocanada ...	Akyab and Calcutta ...	June 6th ...
28	BERWYN	American screw steamer.	3,035	Karachi ...	Antwerp and Hamburg	Do. 8th ...
29	KANPRASAD	British Indian ...	19	Bombay ...	Mohowa	Do. do. ...
30	VILLIPRASAD	Do.	41	Goa	Broach	Do. 11th ...
31	KALYANPASSA	Do.	125	Calicut ...	Karachi	Do. 11th ...
32	KALYAN PASSA ...	Do.	97	Do. ...	Karachi and Salaya ...	Do. do. ...
33	KATHERIA	Do.	139	Colombo ...	Negapatam ...	Do. 23rd ...
34	PORCUPINE	British motor boat	Not registered.	Cruising in the Karnafuli river ...		August 1st ...
35	RUPAREL	Native craft ...	8	Piram island ...	Gogo	Do. 30th ...
36	JAMNAPRASAD	British Indian ...	10	Bhavnagar ...	Bulsar	September 18th ...
37	YESHVANTY	Do.	50	Jaigad ...	Cochin	Do. 17th ..

Waters during the year 1920.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
North of Batticaloa ...	Ceylon coast ...	Stranding.—Heavy weather ...	None lost ...	None lost
Off Karanja	Bombay do. ...	Capsized.—Heavy weather ...	Unknown ...	Do.
Off Chowghat ...	Malabar do. ...	Foundering.—Overloading ...	All lost ...	1 life lost.
Off Vasawa	Bombay do. ...	Capsized.—Submerged stump of a fishing stake.	Do. ...	None lost.
Vasova	Do. do. ...	Stranding.—Tides and currents ...	None lost ...	Do.
Gwadar	Beluchistan do. ...	Foundering.—Heavy weather ...	All lost ...	Do.
Off Vengurla rocks ...	Bombay do. ...	Do. —Sprung a leak ...	Do. ...	Do.
Near Sonmiyani	Mekran do. ...	Do. —Heavy weather ...	Do. ...	Do.
Kasargad bar	Malabar do. ...	Stranding.—Tides and currents ...	Do. ...	Do.
Attara Banka river ...	Bengal	Foundering.—Unavoidable ...	None lost ...	Do.
Hosdrug	Malabar coast ...	Stranding.—Heavy weather ...	No cargo ...	Do.
Komari reef	Ceylon do. ...	Stranding.—Tides and currents ...	Partially lost ...	Do.
Off Gogo	Gulf of Cambay ...	Do. do. ...	All lost ...	2 Lives lost.
Lat. 12° 45′ N., long. 98° 60′ E.	Burma coast ...	Foundering.—Heavy weather ...	Do. ...	None lost.
Jaitapur creek	Bombay do. ...	Stranding.—Accidental	Do. ...	Do.
Lat. 18° 55′ N., long. 84° 88′ E.	Madras do. ...	Stranding.—Insufficient ground tackle	Do. ...	Do.
Near Ratnagiri	Bombay do. ...	Stranding.—Heavy breakers ...	Do. ...	Do.
Lat. 10° 30′ N., long. 87° 40′ E.	Bay of Bengal ...	Foundering.—Heavy weather ...	In ballast ...	Do.
Off Pandet In creek, Gulf of Martaban.	Burma coast ...	Stranding.— Do ...	All lost ...	Do.
Off Satpati	Bombay do. ...	Do. do. ...	Partially lost ...	Do.
About 40 miles north of Cape Negrais.	Burma coast ...	Do. do. ...	In ballast ...	Do.
Hog river Reach	Hughli river ...	Foundering.—Error of the Serang ...	Partially lost and partially damaged.	Do.
Near Lobara light	Gulf of Cambay ...	Stranding.—Heavy weather ...	Partially lost ...	Do.
Rangoon	Burma coast ...	Collision with the S. S. "Arankola."—Error of the Officer Commanding "Mayo."	No cargo ...	Do.
Kalbadebi creek, near Ratnagiri	Bombay do. ...	Stranding.—Tides and currents ...	In ballast ...	Do.
Lat. 11° 40′ N., long. 55° 00′ E. ...	Arabian sea ...	Fire.—Spontaneous combustion ...	Do. ...	Do.
Lower long sand	Hughli river ...	Stranding.—Heavy weather ...	All lost ...	Do.
Lat. 17° 0′ 03″ N., long. 57° 0′ 22″ E.	Arabian sea ...	Stranding.—Tides and currents ...	Do. ...	Do.
Off Satpati port	Bombay coast ...	Stranding.—Heavy weather ...	None lost ...	Do.
About 10 miles off Lohara light ...	Gulf of Cambay ...	Do. do. ...	All lost ...	5 lives lost.
Lat. 20° 28′ N., long. 68° 30′ E.	Arabian sea ...	Foundering.—Heavy weather ...	Do ...	None lost.
Jna shore, Bandra port limit ...	Bombay coast ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Pambau port	Gulf of Manar ...	Do. do. ...	Partially lost ...	Do.
About 2 miles above Chittagong	Chittagong coast ...	Fire.—Accidental	No cargo ...	Do.
Piram island	Gulf of Cambay ...	Capsized.—Tides and currents ...	None lost ...	Do.
About 7 miles off Dandi light ...	Do. do. ...	Stranding.—Tides and currents ...	Partially lost ...	Do.
About 25 miles off Deogad light-house.	Bombay coast ...	Capsized.—Heavy weather ...	In ballast ...	Do.

D.—Wrecks reported in Indian

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
38	JEDAVI	British Indian ...	87	Umbergaon ...	Surat	October 10th ...
39	VITHALPRASAD ...	Do. ...	11	Nawabunder ...	Bombay	November 4th ...
40	BAYMANTEE	British screw steamer.	2,262	Marseilles ...	Nossi Be and Liverpool	Do. 11th ...
41	MAHOMED SALAMATHY BAHADUR.	British Indian ...	49	Calicut Roads ...	...	Do. 12th ...
42	KASHIPRASAD	Do. ...	30	Ponani ...	Cambay	Do. 24th ...
43	DUFF BRUCE	British crane steamer.	240	Port of Calcutta.		Do. 26th ...
44	MAHADEVPASSA ...	British Indian ...	90	Porbander ...	Bassa	December 10th ...
45	RAHAMATHULLAH ...	Do. ...	166	Cochin ...	Malpe and Bombay ...	Do. 27th ...
46	MASENAMBA	Do. ...	150	Rangoon ...	Cocanada	Do. 31st ...

Waters during the year 1920.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Near Magdalla, Tapti creek ...	Gulf of Cambay ...	Stranding.—Tides and currents ...	All lost ...	None lost.
Between Kathiawar and Bombay	Arabian sea ...	Foundering.—Heavy weather ...	Do. ...	Do.
Lat. 8° 57′ N., long. 50° 30′ E. ...	Africa, east coast ...	Stranding.—Error of the Master and the 2nd Officer.	Do. ...	Do.
Calicut	Malabar coast ...	Stranding.—Heavy weather ...	No cargo ...	Do.
Ponani Port	Do. do. ...	Foundering.—Heavy weather ...	All lost ...	3 lives lost.
Calcutta	Hughli river ...	Stranding.—Error of the Serang ...	No cargo ...	None lost.
About 40 miles off Bushire ...	Persian gulf ...	Foundering.—Heavy weather ...	All lost ...	Do.
Off Koppalam	Malabar coast ...	Foundering.—Sprung a leak ...	Do. ...	Do.
Near Marichpur, mouth of the Devi river.	Orissa coast ...	Foundering.—Error of the Tindal ...	Do. ...	Do.

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TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in India

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	PIRPASSA	Native craft ...	81	Broach ...	Cochin	January 3rd ...
2	SANTA CRUZ	American screw steamer.	2,984	San Francisco ...	Singapore and Calcutta.	Do. 13th ...
3	Fathe SALAMAT ...	Native craft ...	66	Bombay ...	Beypore and Calicut ...	Do. 21st ...
4	EKMA	British twin screw steamer.	2,356	Rangoon ...	Calcutta	Do. 22nd ...
5	BURMA MARU	Japanese screw steamer.	2,816	Bombay ...	Singapore and Japan'...	Do. 25th ...
6	SIKANDER	British Indian ...	22	Veraval ...	Nawabander ...	Do. 27th ...
7	LAMA	British screw steamer.	957	Rangoon ...	Kyaukpyu ...	Do. do. ...
8	KADEY	British Indian ...	15	Mangalore ...	Tarapur	Do. 28th ...
9	CITY OF MANCHESTER ...	British screw steamer.	3,566	Calcutta ...	Madras	Do. 31st ...
10	HARINDA	American motor vessel.	2,483	Do. ...	Bombay and Perim ...	February 4th ...
11	MAHADEVPASA ...	Native craft ...	90	Basra ...	Porbander ...	Do. 5th ...
12	LAKHMIPASA	Do. ...	109	Cochin ...	Calicut and Porbander	Do. 7th ...
13	SHEKHAI	British Indian ...	20	Karachi ...	Lakhpat	Do. 8th ...
14	ARAS	British screw steamer.	2,071	Abadan ...	Bombay	Do. 10th ...
15	LAXMIPASA	Native craft ...	99	Bombay ...	Beypore and Calicut ...	Do. do. ...
16	BARKATI	British Indian ...	9	Karanja ...	Mahul	Do. 11th ...
17	RHEINLAND	British screw steamer.	4,153	Singapore ...	Colombo and Antwerp...	Do. 12th ...
18	CLAN COLQUHOUN ...	Do. ...	3,760	Glasgow ...	Colombo and Calcutta...	Do. 20th ...
19	MATHERAN	Do. ...	4,635	Middlesbrough ...	Do. do. ...	Do. do. ...
20	HALEAKALA	American screw steamer.	4,512	San Francisco ...	Singapore and Calcutta	Do. 25th ...
21	JABRIA	Native craft ...	92	Mangalore ...	Vasawa and Karachi...	Do. — ...
22	DANGI HAIDRI ...	Do. ...	197	Calicut ...	Porbander and Karachi	March 1st ...
23	KANSAS	British screw steamer.	3,941	Calcutta ...	Colombo and New York.	Do. 2nd ...
24	KANPRASAD	British Indian ...	67	Azhikal ...	Bhavnagar ...	Do. 3rd ...
25	VIJALIPRASAD ...	Do. ...	20	Manori ...	Bombay	Do. 9th ...
26	MADHAV PRASAD ...	Do. ...	36	Veraval ...	Do.	Do. 11th ...
27	BARON NAPIER ...	British screw steamer.	3,159	Calcutta ..	Colombo	Do. 18th ...
28	YOMAH	Do. ...	339	Rangoon ...	Chittagong ...	Do. 20th ...
29	PROSPEROUS	Do. ...	241	Calcutta ...	Rangoon and Moulmein	Do. 21st ...
30	STAR OF INDIA ...	British Indian ...	406	Chittagong ...	Akyab and Jaffna ...	Do. 22nd ...
31	EDAVANA	British twin screw steamer.	2,186	Calcutta ...	Penang and Rangoon	April 2nd ...
32	CITY OF POONA ...	Do. ...	4,784	Bombay ...	Marseilles and Liverpool.	Do. 5th ...
33	DUPLEX	British screw steamer.	434	Aden ...	Mombasa ...	Do. do. ...
34	AFRICA	Do. ...	162	Do. ...	Djibouti and Berbera	Do. 16th ...
35	LAXMI	British Indian ...	4	Manori ...	Bandra	Do. 19th ...

Vaters during the year 1920.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Cochin harbour	Malabar coast ...	Stranding.—Error of the Tindal ...	Partially lost and partially damaged.	None lost.
Sankral Reach	Hughli river ...	Stranding.—Faulty Telemotor steering gear.	None lost ...	Do.
Off Mathamkadanu... ...	Malabar coast ...	Stranding.—Unavoidable ...	Partially lost ...	Do.
Nurpur Flat	Hughli river ...	Stranding.—Accidental	None lost ...	Do.
Lat. 6° 1′ 30″ N., long. 79° 57′ 15″ E.	Ceylon coast ...	Fire.—Unknown ...	Unknown ...	Do.
Off Sutrapada	Kathiawar do. ...	Stranding.—Tides and currents ...	None lost ...	Do.
Rangoon river	Burma do. ...	Stranding.—Error of the Pilot ...	Do. ...	Do.
Nayakankotta	Malabar do. ...	Foundering.—Heavy opposite wind ..	All lost. ...	Do.
Moyapore	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	Do.
Gabtollah channel	Do. do. ...	Do. do.	Do. ...	Do.
Near Karachi	Sind coast ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Near Goa	Goa do. ...	Do. do. ...	Do. ...	Do.
Near Keti Bunder	Sind do.	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Prongs reef, Bombay harbour ...	Bombay coast ...	Do. Error of the Master ...	None lost ...	Do.
Off Beypore	Malabar do. ...	Do. Accidental	Do. ...	Do.
Between Shewa and Elephanta...	Bombay do. ...	Capsized.—Heavy weather ...	All lost ...	Do.
Off Sokotra	Arabian sea ...	Fire.—Unknown.	Partially lost ...	Do.
Madras harbour	Coromandel coast ...	Collision with the S.S. "Matheran."—Error of the Engineer of that vessel.	None lost ...	Do.
Do. do.	Do. do. ...	Do. with the S.S. "Clan Colquhoun"—Error of the Engineer.	Do. ...	Do.
Brul sand	Hughli river ...	Stranding.—Jamming of the helm.	Do. ...	Do.
Near Karachi	Sind coast ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Near Porbander	Kathiawar do. ...	Foundering.— do. ...	All lost ...	Do.
Garden Reach	Hughli river ...	Stranding.— do. ...	None lost ...	Do.
Near Gogo	Gulf of Cambay ...	Do. do. ...	Do. ...	Do.
Mouth of the Manori creek ...	Bombay coast ...	Do. Tides and currents ...	All lost ...	Do.
Dhamlej	Kathiawar do. ...	Do. Accidental	Partially lost ...	Do.
Sankral Reach	Hughli river ...	Do. Foggy weather ...	None lost ...	Do.
Chittagong river	Chittagong coast ...	Do. Accidental	Do. ...	Do.
Lat. 16° 22′ N., long. 97° 24′ E.	Gulf of Martaban, Burma coast.	Do. Error of the Master ...	In ballast ...	Do.
Lat. 18° 16′ N., long. 92° 12′ E.	Bay of Bengal ...	Dismasted.—Bad rigging. ...	None lost ...	Do.
Rangoon harbour	Burma coast ...	Collision with a cargo boat.—Error of the Pilot.	Do. ...	Do.
Karachi	Sind do. ...	Fire.—Unknown	Partially damaged.	Do.
Lat. 11° 26′ N., long 51° 21′ E.	Gulf of Aden ...	Leaking of furnace tube.—Accidental	In ballast ...	Do.
Albat Island shoal	Do. do. ...	Stranding.—Accidental ...	None lost ...	Do.
Off Chimbai	Bombay coast ...	Capsized.—Adverse wind ...	All lost ...	Do.

E.—Casualties reported in Indian

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
36	GAMBADA	British screw steamer.	3253	Moulmein ...	Bombay ...	April 20th ...
37	DILPASANT	British Indian ...	38	Ghat creek ...	Thana	Do. 21st ...
38	SUBAM	British screw steamer.	2,338	Singapore ...	Calcutta ...	Do. 24th ...
39	GHARINDA	Do. ...	3,212	Bombay harbour ...	...	Do. 25th ...
40	ARYA	British motor boat.	156	Rangoon ...	Madras	Do. 29th ...
41	RAMPASA ...	Native craft ...	145	Calicut ...	Porbander ...	Do. do. ...
42	MAHAMOODIYAH ...	British Indian ...	174	Rangoon ...	Madras	Do. 30th ...
43	FATHE KHAIR ...	Do. ...	119	Calicut ...	Karachi ...	Do. do. ...
44	SATYANARAYANA ...	Do. ...	265	Rangoon ...	Tondi	May 1st ...
45	LAXMI PRASAD ...	Native craft ...	12	Mahuva ...	Surat	Do. 2nd ...
46	NATHIAPAKUM ...	British Indian ...	79	Ponani ...	Colombo	Do. do. ...
47	ANGHIN	British screw steamer.	1,031	Rangoon ...	Tuticorin	Do. 3rd ...
48	THRUSTER	British steam tug.	115	Madras harbour ...	...	Do. 5th ...
49	LA PLATA	British screw steamer.	2,544	Chathams ...	Bombay and Madras ...	Do. do. ...
50	AMBIKA	British Indian ...	55	Bhavnagar ...	Bombay	Do. do. ...
51	MEY. RAMPRASAD ...	Do. ...	19	Mora ...	Revdanda ...	Do. 7th ..
52	ARANKOLA	British twin screw steamer.	1,725	Rangoon ...	Calcutta	Do. 13th ...
53	FATTEMARI MOHODDIN ...	British Indian ...	34	Bombay ...	Mangalore ...	Do. 14th ...
54	DHANPRASAD	Do. ...	33	Arnalla ...	Bhavnagar ...	Do. do. ...
55	SANTA CLARA	American screw steamer.	3,850	New York ...	Colombo and Madras ...	Do. 17th ...
56	CLAN OGILVY	British screw steamer.	3,716	Glasgow ...	Do. do. ...	Do. do. ...
57	FIROOZI	Do. ...	2,029	Galle ...	Calcutta	Do. 19th ...
58	NARAYANPRASAD ...	British Indian ...	40	Bhagwa ...	Bhavnagar ...	Do. 20th ...
59	MACHEW	British screw steamer.	995	Madras ...	Rangoon and Singapore	Do. 29th ...
60	DARYA DAULAT ...	British Indian ...	73	Bombay ...	Cutch Mandvi ...	June 7th ...
61	RATNAGIRI	Do. ...	6	Ponani ...	Broach	Do. 9th ...
62	TAKADA	British twin screw steamer.	4,223	Rangoon ...	Calcutta	Do. 20th ...
63	CHAPALA	British steam tug	71	Hughli river ...		Do. do. ...
64	HALVARD	Norwegian screw steamer.	1,121	Moulmein ...	Calcutta	Do. 30th ...
65	UPADA	British screw steamer.	3,382	Bombay ...	Colombo and Calcutta...	July 11th ...
66	SLAVONIA	French screw steamer.	2,880	Marseilles ...	Colombo and Datta ...	Do. 13th ...

Waters during the year 1920.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Moulmein river	Burma coast ...	Stranding.—Not reported ...	None lost ...	None lost.
Ghat Agar creek	Bombay do. ...	Stranding.—Accidental ...	All lost ...	Do.
Hughli Point	Hughli river ...	Stranding.—Vessel's taking a sheer against her helm.	None lost ...	Do.
Bombay harbour	Bombay coast ...	Fire.—Unknown	Partially damaged.	Do.
Lat. 9° 16′ N., long. 86° 8′ E. ...	Bay of Bengal ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Surat river bar	Gulf of Cambay ...	Do. Do. ...	Do. ...	Do.
15 miles east of Algnada lighthouse, Gulf of Martaban.	Burma coast ...	Do. Do. ...	None lost ...	Do.
Vesawa creek	Bombay do. ...	Stranding.—Error of the Tindal ...	Partially lost and partially damaged.	Do.
About 180 miles north-east of Trincomalee.	Bay of Bengal ...	Damage to vessel.—Heavy weather ...	Partially lost ...	Do.
Tapti river	Gulf of Cambay ...	Stranding.— Do. ...	All lost ...	Do.
Gulf of Manar	Gulf of Manar ...	Do. Tides and currents ...	Partially lost ...	Do.
Lat. 11° 45′ N., long. 90° 2′ E. ...	Bay of Bengal ...	Fire.—Not reported	Do. ...	Do.
Madras harbour	Coromandal coast ...	Collision with the S.S. "La Plata."—Error of the Master.	No cargo ...	Do.
Do. do.	Do. do. ...	Collision with the S.T. "Thruster".—Error of the Master of that vessel.	None lost ...	Do.
Near Kantiajal	Gulf of Cambay ...	Stranding.—Heavy weather ...	Partially lost and partially damaged.	Do.
Mouth of Revdanda creek ...	Bombay coast ...	Stranding.—Tides and currents ...	Partially lost and partially damaged.	Do.
Rangoon river	Burma do. ...	Collision with the R. I. M. S. "Mayo."—Error of the Officer Commanding "Mayo."	None lost ...	Do.
Karanja	Bombay do. ...	Foundering.—Heavy weather ...	Partially lost and partially damaged.	Do.
Off Lohara Light	Gulf of Cambay ...	Stranding.—Heavy weather ...	Partially lost ...	Do.
Madras harbour	Coromandal coast ...	Collision with the S. S. "Clan Ogilvy."—Error of the Engineer.	None lost ...	Do.
Do. do.	Do. do. ...	Do. with the S. S. "Santa Clara."—Error of the Engineer of that vessel.	Do. ...	Do.
Middleground sands ...	Hughli river ...	Stranding.—Error of the Pilot. ...	In ballast ...	Do.
Opposite Bhagwa	Gulf of Cambay ...	Do. Heavy weather. ...	All lost ...	Do.
Rangoon river	Burma coast ...	Fire.—Unknown	Partially lost. ...	Do.
Off Matwad	Gulf of Cambay ...	Damage to vessel.—Heavy weather	Partially lost and partially damaged.	Do.
Opposite Alia Bet	Do. do. ...	Stranding.—Heavy weather. ...	Partially lost ...	Do.
Kidderpore Dock	Hughli river ...	Collision with the S. T. "Chapala."—Error of the Serang of that vessel.	None lost ...	Do.
Do. do.	Do. do. ...	Do. with the S. S. "Takada."—Error of the Serang.	No cargo ...	Do.
Hughli Point	Do. do. ...	Stranding.—Vessel's taking a sheer.	None lost ...	Do.
20 miles north of Trincomalee ...	Ceylon coast ...	Fire.—Spontaneous combustion. ...	Partially lost. ...	Do.
Atoll Male, north	Maldive islands ...	Stranding.—Tides and currents. ...	Do. ...	Do.

E.—Casualties reported in Indian

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
67	EGEA*	British twin screw steamer.	2,345	Madras ...	Rangoon	July 18th ...
68	GUENA	British screw steamer.	3,227	Moulmein ...	Bombay	Do. do. ...
69	ALTMARK	French screw steamer.	2,716	Calcutta ...	Colombo and Marseilles	Do. 20th ...
70	AKBAR	British screw steamer.	2,957	Bombay ...	Aden and Jeddah ...	Do. 24th ...
71	KATHIAWAR	British screw steamer.	2,753	Calcutta ...	Colombo and Cape Town.	Do. 27th ...
72	MOGAMI MARU ...	Japanese screw steamer.	1,288	Singapore ...	Calcutta	August 2nd ...
73	AMIRAL NIBELLY ...	French screw steamer.	3,565	Do. ...	Colombo and Marseilles	Do. 13th ...
74	BROOKHAVEN	British screw steamer.	1,714	New York ...	Colombo and Calcutta...	Do. 14th ...
75	PORTLAND MARU ...	Japanese screw steamer.	4,259	Kobe ...	Colombo and Marseilles	Do. 18th ...
76	EATON HALL	British screw steamer.	2,380	Calcutta ...	Perim	Do. 21st ...
77	WAR SINGHE	Do. ...	3,211	Tarakans ...	Singapore and Calcutta	Do. 22nd ...
78	PENTAKOTA	Do. ...	2,215	Bombay ...	Muscat and Jask ...	September 2nd ...
79	AMBIKA	Native craft ...	55	Do. ...	Vasova and Porbander	Do. 15th ...
80	CLEARWAY	British screw steamer.	2,417	Calcutta ...	Colombo	Do. 17th ...
81	ARNALDO DA BRESCIA ...	Italian screw steamer.	3,665	Genoa ...	Aden and Sydney ...	Do. do. ...
82	SOOCHOW	British twin screw steamer.	204	Henzada ...	Riverine Dadaye and Rangoon.	Do. 18th ...
83	KHODOUNG	British screw steamer.	887	Rangoon ...	Calcutta	Do. 24th ...
84	SEIKGYI	British Indian ...	330	Do. ...	Do.	Do. do. ...
85	HORI GAJRI	Do. ...	2	Fishing in the sea	off Utan.	October 1st ...
86	CLAN LAMONT	British screw steamer.	2,286	London ...	Calicut and Cochin ...	Do. 5th ...
87	MAIHAR	Do. ...	5,018	Liverpool ...	Colombo and Calcutta...	Do. 9th ...
88	ANGORA	Do. ...	1,926	Rangoon ...	Calcutta	Do. 14th ...
89	Do.	Do. ...	1,926	Calcutta ...	Rangoon	Do. 18th ...
90	MAHAMUDI	British Indian ...	11	Jaitapur ...	Calicut and Azhikal ...	Do. 23rd ...
91	SODEGAURA MARU ...	Japanese screw steamer.	713	Moulmein ...	Calcutta	Do. 29th ...
92	POLERIC	British twin screw steamer	3,927	Calcutta ...	New York... ...	Do. 31st ...
93	KARACHI	British screw steamer.	124	Bombay ...	Calicut and Cochin ...	November 3rd ...
94	WOODCOCK	Do. ...	91	Aden	Djibouti and Zaila ...	Do. 6th
95	FRATE PRASAD ...	Native craft (Portuguese.)	92	Daman ...	Vengurla and Broach ...	Do. 26th ...

Waters during the year 1920.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Rangoon	Burma coast ...	Fire.—Unknown.	None lost ...	None lost.
Moulmein	Do. do. ...	Stranding.—Heavy rain squalls ...	Do. ...	Do.
Lat. 12° 55′ N., long. 54° 11′ E.	Arabian sea ...	Fire.—Explosion of gas	Partially damaged.	Do.
Lat. 17° 45′ N., long. 64° 56′ E.	Do. do. ...	Explosion.—Spontaneous combustion	Do. ...	2 lives lost.
Lat. 4° 40′ N., long. 77° 30′ E....	Indian Ocean ...	Fire.—Unknown	Partially lost ...	None lost.
Poojali crossing	Hughli river ...	Stranding.—Unavoidable ...	In ballast ...	Do.
Colombo harbour	Ceylon coast ...	Collision with the Pier.—Error in the Order transmitting apparatus.	None lost ...	Do.
Off Devi river	Orissa do. ...	Stranding.—Error of the Master and the 2nd Officer.	Partially lost ...	Do.
Lat. 12° 59′ N., long. 45° 10′ E.	Gulf of Aden ...	Stranding.—Hazy weather, etc. ...	None lost ...	Do.
Perim. Red sea	Red sea	Fire.—Unknown	Partially damaged.	Do.
Brul Sands	Hughli river ...	Stranding.—Error of the Officer on watch.	Partially lost ...	Do.
Gahha shoal	Gulf of Oman ...	Stranding.—Error of the Master ...	Unknown ...	Do.
Near Vasova	Bombay coast ...	Do. Accidental	All lost.	Do.
Colombo harbour	Ceylon do. ...	Collision with the S. S. "Arnaldo Da Brescia".—Error of the Pilot of that vessel.	None lost.	Do.
Do. do.	Do. do. ...	Collision with the S. S. "Clearway".—Error of the Pilot.	Do. ...	Do.
Rangoon do.	Burma do. ...	Collision with the flat No. 142, in tow of tug "Salween".—Error of the Master of the tug.	Do. ...	Do.
Lat. 15° 25′ N., long. 95° 12′ E.	Do. do. ...	Ditto with the Sailing vessel "Seikgyi".—Error of the Master.	Do. ...	Do.
Do. do. ...	Do. do. ...	Ditto with the S. S. "Khodoung".—Error of the Master of that vessel.	Do. ...	Do.
Near Manori creek	Bombay do. ...	Capsized.—Overloaded with fish ..	All lost ...	Do.
Calicut Roads	Malabar do. ...	Sprung a leak.—Not reported ...	Partially damaged.	Do.
Hughli Point	Hughli river ...	Stranding.—Error of the Pilot ...	None lost ...	Do.
Fulta do.	Do. do. ...	Do. Unavoidable ...	Do. ...	Do.
Jarmakers Reach	Do. do. ...	Do. Vessel's refusal to answer her helm.	Do. ...	Do.
Near Azhikal bar	Malabar coast ...	Do. Accidental	In ballast ...	Do.
Fulta Point	Hughli river ...	Stranding.—Tides and currents ...	None lost ...	Do.
Jellingham Channel ...	Do. do. ...	Do. Vessel's taking a sheer to port against her helm.	Do. ...	Do.
Cochin Roads	Malabar coast ...	Stranding.—Error of either the Master or the Seacunny.	Do. ...	Do.
Approach to Zaila	Gulf of Aden ...	Stranding.—Unavoidable ...	Do. ...	Do.
Umbergaon creek	Bombay coast ...	Damage to vessel.—Tides and currents.	Partially lost ...	Do.

E.—Casualties reported in Indian

No.	Name of vessels.	Flag and rig of vessels.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
96	Weissenfelds	British screw steamer.	2,438	Lying at Calcutta Moorings		November 28th ...
97	Machrew	Do. ...	993	Swettenham ...	Tuticorin and Cochin ...	Do. 29th ...
98	Glenshane	Do. ...	4,012	Shanghai ...	Penang and Colombo ...	December 18th ...
99	David Lloyd George ...	Do. ...	2,899	Barry ...	Calcutta and Bombay...	Do. 22nd ...
100	Canadian Pioneer ...	Do. ...	3,549	Calcutta ...	Porto Novo and Canada.	Do. 23rd ...
101	Bharata	Do. ...	1,957	Madras ...	Cocanada and Rangoon.	Do. 25th ...
102	Bemb	Do. ...	1,899	Rangoon ...	Calcutta	Do. 21st ...
103	Akbar*	Do. ...	2,957	Bombay ...	Mauritius	November 27th ...
104	Aung Ba Lay* ...	British Indian ..	60	Tavoy ...	Mergui	December 2nd ...
105	Alimadat*	Do. ...	164	Colombo ...	Calicut	November 26th ...

*Received later

Waters during the year 1920.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof, when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Calcutta	Hughli river ...	Collision with a cargo boat No. 170.—Accidental.	None lost ...	None lost.
Cochin Anchorage ...	Malabar coast ...	Stranding.—Error of the Master ...	Do. ...	Do.
Colombo harbour	Ceylon do. ...	Collision with the breakwater.—Defective steering gear.	Do. ...	Do.
Back bay (Bombay) ...	Bombay do. ...	Stranding.—Error of the Master ...	Do. ...	Do.
Lat. 9° 00′ N., long. 81° 00′ E....	Ceylon do. ...	Fire.—Spontaneous combustion ...	Do. ...	Do.
Rangoon harbour	Burma do. ...	Collision with the S. L. "Moonlight."—Error of the Serang of the launch.	Do. ...	Do.
Hughli Point	Hughli river ...	Stranding.—Tides and currents ...	Do. ...	Do.
Bombay harbour	Bombay coast ...	Damage to Engines.—Error of the 2nd Engineer.	Do. ...	Do.
Mergui harbour	Burma do. ...	Capsized.—Sprung a leak ...	No cargo ...	Do.
Beruwala	Ceylon do. ...	Stranding.—Tides and currents ...	In ballast ...	Do.

S.G.P.I.17-4PO&RW-6-7-21-135.

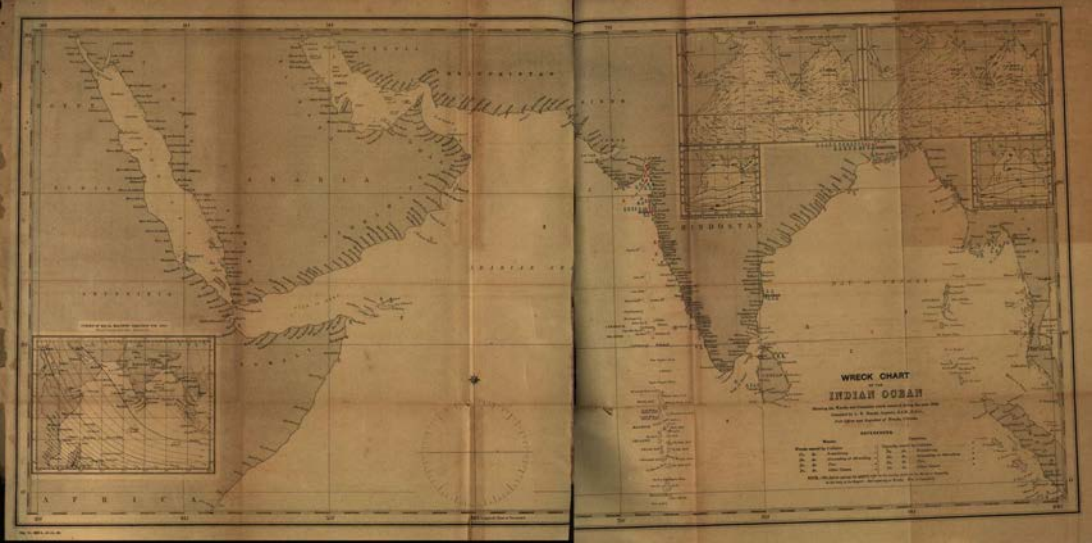
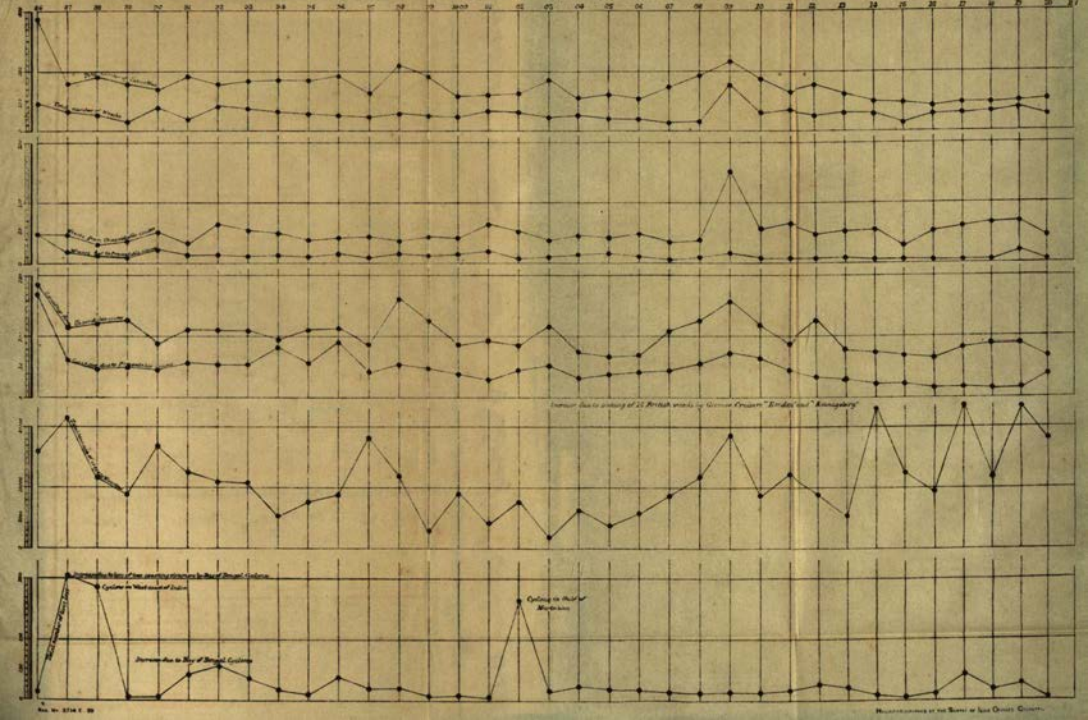

ARABIA
AFRICA
HINDOSTAN
WRECK CHART
OF THE
INDIAN OCEAN

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1920 inclusive.


Cyclone in Gulf of Martaban
Increase due to sinking of 25 British vessels by German Cruisers "Emden" and "Konigsberg"
Cyclone in Bay of Bengal
Cyclone in Gulf of Martaban
Increase due to Bay of Bengal Cyclone
Cyclone in Gulf of Martaban

Hydrographic Office, Admiralty, 1921.

Hydrographer of the Navy or Lieut. Colonel Cowper.

GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1921

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-SIX YEARS

PREPARED BY

CAPTAIN A. E. HAROLD, D.S.O., R.I.M.

PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA

SUPERINTENDENT GOVERNMENT PRINTING, INDIA

1922

REVIEW.

THE reports received during the year 1921, in connection with the Wrecks and Casualties in Indian Waters show that although the loss of life is greater than the previous year (the most favourable year recorded since the year 1886), the total tonnage lost is considerably smaller than in 1920, *viz.*, 7,863 against 18,322.

The only incidents of importance during the year under review are :—

(1) The stranding of the British Indian craft "Narayenpassa" whilst on a voyage from Karachi to Jakhoo with 6 crew, 18 passengers and a cargo of grain, etc., she experienced strong winds on entering the Port of Jakhoo, struck a rock near Jakhoo Bunder on the 22nd April 1921, and was a wreck when 13 passengers and all cargo were lost.

(2) The British steam launch "Rambasha" left Kyunpyathat for Yandoon, and whilst closing the left bank to turn off Thawethaw on the 8th August 1921 struck edge of the bank, capsized and sank almost immediately, as owing to floods the bank was under water and invisible. The accident might have been avoided had the vessel been steaming slowly and the lead used frequently. Out of 23 passengers and 8 crew, 9 lives were lost.

(3) The battery explosion on board the Dutch Submarine K IV in Colombo harbour on the 9th November 1921, is responsible for the loss of 2 of her crew.

The number of Wrecks during the year are 6 British vessels, 35 British Indian vessels and 3 Native craft or a total of 44 vessels of 7,863 tons (excluding 2 British Indian vessels, the tonnage of which could not be ascertained) with the loss of 24 lives.

The Wrecks consist of 2 Collisions, 15 Founderings, 25 Strandings and 2 Miscellaneous cases.

The 83 Casualties during the year include 58 British and Foreign vessels, 18 British Indian vessels and 7 Native craft. Nine lives are reported to have been lost.

The Casualties comprise 22 Collisions, 41 Strandings and 20 Miscellaneous cases.

There are certain other cases but being trivial they have not been incorporated in this Return.

The Wrecks and Casualties totalling 127 cases are reported to have occurred in the following localities, *viz.*, 27 in the Hughli river, 23 on the Bombay coast, 18 on the Kathiawar coast and in the Gulf of Cambay, 14 on the Madras and Coromandel coasts, 13 on the Burma coast, 7 on the Sind coast, 5 in the Red Sea and Gulf of Aden, 4 in the Gulf of Cutch, 4 on the Malabar coast, 4 on the Chittagong coast, and the rest in smaller numbers occurred in other localities in Indian Waters.

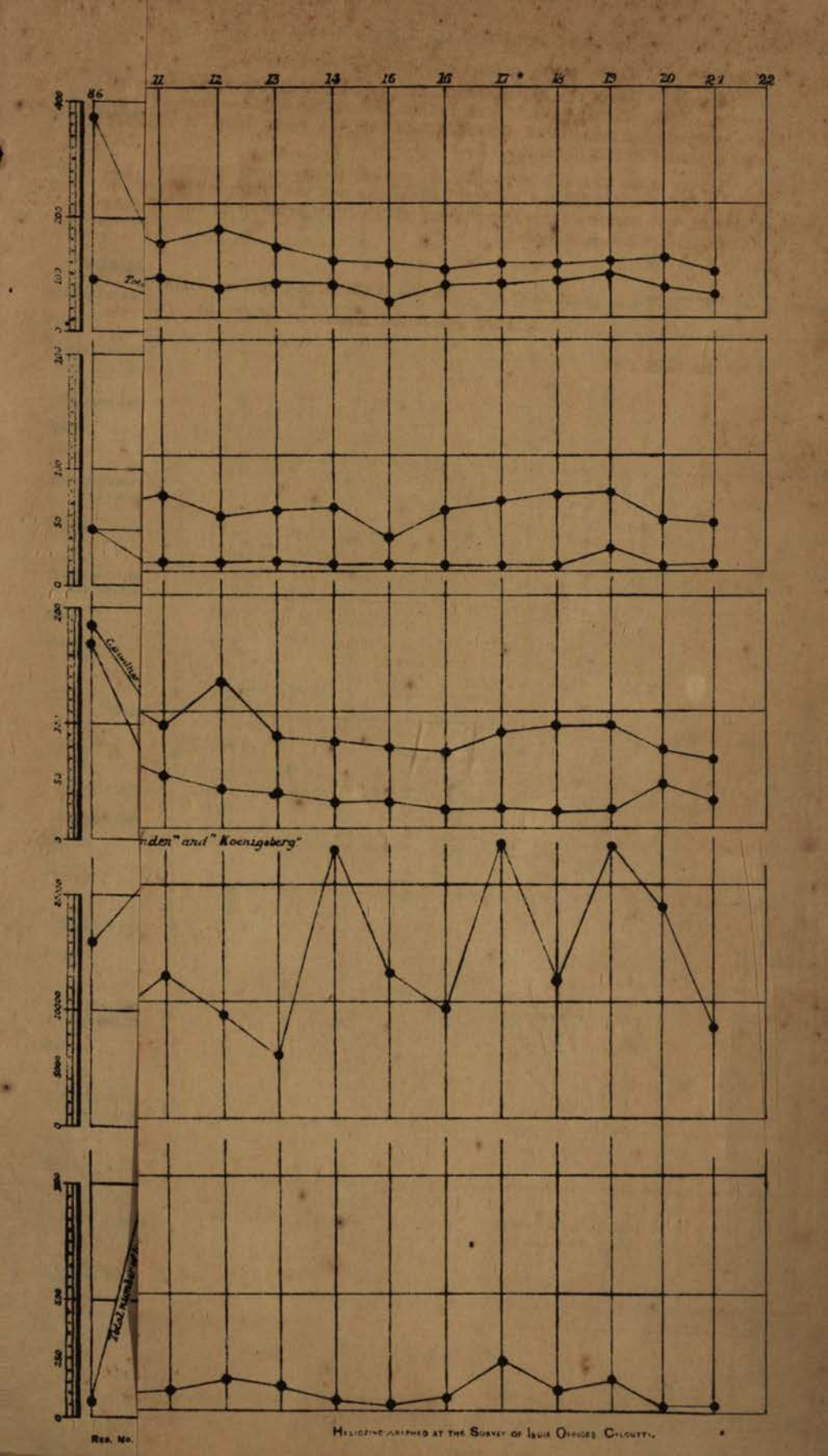
The following analyses show :—(A) the causes to which the reported Wrecks and Casualties are attributed; (B) a comparative statement of the reported number of Wrecks and Casualties recorded in the Indian Wreck Department from the years 1886 to 1921, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes; (C) a comparative statement showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1921, inclusive; (D) a tabular statement of the Wrecks and (E) a tabular statement of the Casualties reported in Indian Waters during the year under review, arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1921 are also appended to this Return.

I have much pleasure in placing on record, the generous assistance rendered by the various Marine Authorities in India and the Shipping Firms in Calcutta, who furnished this Department with details relating to the Wrecks and Casualties herein recorded.

A. E. HAROLD, *Captain, R.I.M.,*
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1922.

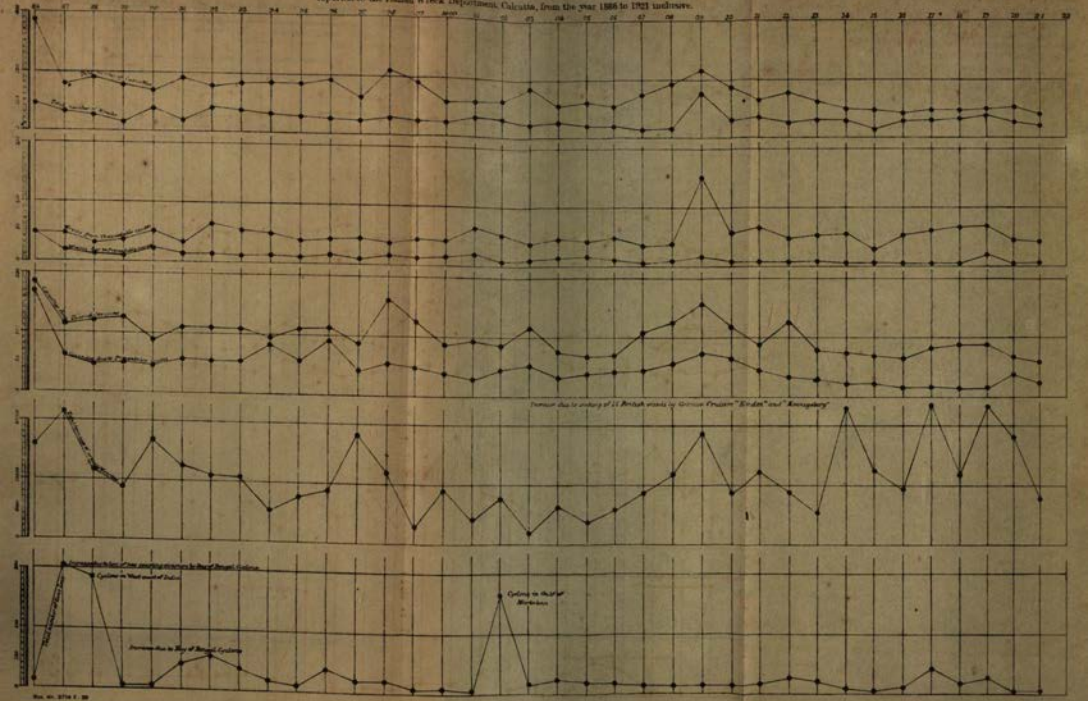


Res. No.

Heliozincographed at the Survey of India Offices Calcutta.

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1886 to 1921 inclusive.


Increase due to sinking of 11 British vessels by German Cruisers "Emden" and "Konigsberg"
Cyclone in Bay of Bengal, Cyclone in West coast of India
Cyclone in the Bay of Bengal

Mus. no. 3714 c. 20

Photo-engraving at the Survey of India Offices, Calcutta.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			* Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels.												
Steam	...	...	...	4	602	9	1	2,484	...	1	1,714	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian.												
Sailing	2	37	...	10	(a)1,672	1	22	1,306	14	1	34	...
Native craft of all nationalities.												
Sailing	...	...	...	1	60	...	2	54	...	...	...	...
Vessels of Foreign nationalities.												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	2	37	...	15	2,234	10	25	3,844	14	2	1,748	...
CASUALTIES.												
British vessels.												
Steam	17	53,818	...	...	...	...	23	61,906	...	5	17,592	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian.												
Sailing	2	624	...	...	...	...	9	421	...	7	305	3
Native craft of all nationalities.												
Sailing	...	...	...	...	...	...	1	55	...	6	237	4
Vessels of Foreign nationalities.												
Steam	3	7,915	...	...	...	...	8	24,002	...	2	(b)4,258	2
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	22	62,357	...	...	...	...	41	86,394	...	20	22,392	9
GRAND TOTAL	24	62,394	...	15	2,234	10	66	90,238	14	22	24,140	9

(a) Not including the tonnage of 2 British Indian vessels not given.
(b) Not including the tonnage of a Dutch Submarine not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1921, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	Wrecks.						Total.	Casualties.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	48	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	3	3	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	..	27	5	10	1	43	16	41	84	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	68	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96
1918	3	2	57	1	10	1	74	17	8	61	5	6	2	99
1919	17	8	39	6	13	1	84	47	13	37	1	5	1	104
1920	7	3	31	2	3	...	46	37	31	22	4	10	1	105
1921	3	3	33	2	3	...	44	39	19	13	5	7	...	83

WRECK CHART
INDIAN OCEAN
ARABIA
HINDUSTAN
AFRICA
ARABIAN SEA
BAY OF BENGAL

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost, during the years 1886 to 1921, inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886 ...	442	15,402	105	1904 ...	164	6,095(*e*)	73
1887 ...	228	20,022	1,016(*a*)	1905 ...	147	3,470(*f*)	86
1888 ...	238	11,739(*b*)	917	1906 ...	172	5,545(*g*)	82
1889 ...	217	9,629	35	1907 ...	189	8,602(*h*)	70
1890 ...	214	16,973	22	1908 ...	225	11,768(*i*)	55
1891 ...	231	12,068	240	1909 ...	391	18,620(*j*)	69
1892 ...	230	10,410	272	1910 ...	242	8,290(*k*)	64
1893 ...	223	12,428	170	1911 ...	202	12,308(*l*)	74
1894 ...	234	5,180	81	1912 ...	219	9,165(*m*)	138
1895 ...	212	7,982	63	1913 ...	169	5,519(*n*)	98
1896 ...	243	8,147	168	1914 ...	157	55,149(*o*)	44
1897 ...	177	18,141	96	1915 ...	128	12,824(*p*)	20
1898 ...	257	11,979	75	1916 ...	141	9,564(*q*)	59
1899 ...	818	2,728	22	1917 ...	161	30,930(*r*)	214
1900 ...	169	9,140.	84	1918 ...	173	11,736(*s*)	91
1901 ...	189	4,980	22	1919 ...	188	23,535(*t*)	116
1902 ...	183	6,949(*c*)	831	1920 ...	151	18,322(*u*)	13
1903 ...	206	1,823(*d*)	50	1921 ...	127	7,863(*v*)	33

From the foregoing it will be seen that during the past 36 years, *viz.*, from 1886 to 1921, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 207, the average total tonnage of vessels wrecked 12,445 and the average number of lives lost 156.

NOTES.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lomport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.
(*s*) Not including the tonnage of six British Indian vessels not given.
(*t*) Not including the tonnage of eight British and one British Indian vessels and one Native craft not given.
(*u*) Not including the tonnage of one British vessel not given.
(*v*) Not including the tonnage of two British Indian vessels not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
1	Suraj Salamati	British Indian	32	Arnala	Mangrol	January 7th
2	Sodasobhabi	Do.	34	Cutch Mandvi	Karachi	Do. 12th
3	Yeshwanti	Do.	5	At anchor off Janjira for fishing		Do. do.
4	Jawerieprasad	Do.	21	Jafrabad	Bombay	Do. 16th
5	Dolatsavai	Do.	44	Jamnagar	Karachi	Do. do.
6	Fatehrazak	Do.	162	Calicut	Bahrein	Do. 20th
7	Ramnath	Do.	7	Honawar	Shirali	Do. 21st
8	Vijaliprasad	Do.	34	Surat	Bhavnagar	Do. 22nd
9	Fatemel Hamdia	Do.	159	Ponani	Karauja and Cochin	Do. do.
10	Gray Cloud	British screw steamer.	2,484	Calcutta	Bombay	Do. 25th
11	Maha Laxmi	British Indian	1	Sadashivgad	Ratnagiri	February 3rd
12	Salamathy Miskin	Do.	105	Azhikal	Bombay	Do. 20th
13	K. Mubarak	Do.	107	Porbander	Do.	Do. do.
14	Brookhaven	British screw steamer.	1,714	Kidderpore Dock, Calcutta		Do. 23rd
15	Rupabel	Native craft	8	Mahuva	Tankari	March 21st
16	Aung Thein Byan	British Indian	67	Tavoy	Rangoon	April 3rd
17	Yesmwanti	Do.	41	Varoda	Ratnagiri	Do. 6th
18	Sivagurunatha Puravy	Do.	99	Kaita	Cocanada	Do. 10th
19	Daria Dolat	Do.	Unknown	Cutch	Karachi	Do. 18th
20	Narayenpassa	Do.	60	Karachi	Jakhoo	Do. 22nd
21	Darya Doulat	Do.	13	Bombay	Tarrapur	Do. 24th
22	Manjeedra	Do.	23	Coondapur	Mangalore	May 3rd
23	Rupabel	Do.	16	Bombay	Bhavnagar	Do. 6th
24	Laxmi Prasad	Do.	34	Mangalore Pier	Mangalore Roads	Do. 7th
25	Tulsiprasad	Do.	45	Bombay	Bhavnagar	Do. 19th
26	Narainsamai	Do.	Unknown	Arnala	Do.	Do. 20th
27	Khataopassa	Do.	152	Cochin	Karachi	Do. 31st
28	Bhavanipassa	Do.	82	Karachi	Muskat	June 9th
29	Ramprasad	Do.	152	Koorya Moorya Islands.	Veraval	Do. 14th
30	Gallia	British twin screw steamer.	555	Rangoon	Calcutta	Do. 18th

Waters during the year 1921.

Position of wreck and name of vhoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 20° 8′ N., long. 71° 17′ E.	Bombay coast	Collision with the S. S. "Courland."—Absence of lights on the craft.	All lost	None lost.
Near Keti Bunder	Sind do.	Stranding.—Heavy weather	In ballast	Do.
Off Janjira Fort	Bombay do.	Collision with another craft.—Error of the Tindal of that vessel.	No cargo	Do.
Near Usarni	Do. do.	Stranding.—Heavy weather	Partially lost	Do.
Pirotan Tapu	Gulf of Cutch	Do. do.	Partially lost and partially damaged.	Do.
Bombay harbour	Bombay coast	Do. Tides and currents	All lost	Do.
Tengingundi	Do. do.	Do. Heavy weather	None lost	Do.
Near Dabhari	Gulf of Cambay	Fire.—Unavoidable	All lost	Do.
Off Deogad lighthouse	Bombay coast	Foundering.—Sprung a leak	Do	1 life lost.
Saugor Flat	Hughli river	Stranding.—Weakness of Engine power.	Do.	None lost.
Kalbadevi creek	Bombay coast	Do. Heavy weather	In ballast	Do.
Off Kaup	Malabar do.	Do. Unavoidable	All lost	Do.
Near Veraval	Kathiawar do.	Foundering.—Unavoidable	None lost	Do.
Kidderpore, Calcutta	Hughli river	Fire.—Unknown	No cargo	Do.
Between Gogha and Dehej	Gulf of Cambay	Stranding.—Tides and currents	All lost	Do.
Maungmagan	Burma coast	Do. Sprung a leak	Do.	Do.
Dhokambla	Bombay do.	Do. Accidental	In ballast	Do.
Pulyancheri	Coromandel coast	Do. Heavy weather	Do.	Do.
Kudi creek	Sind coast	Foundering.—Heavy weather	No cargo	Do.
Near Jakhoo Bunder	Gulf of Cutch	Stranding.—Heavy weather	All lost	13 lives lost.
Off Tarapur	Bombay coast	Do. do.	Partially lost	None lost.
Mangalore harbour	Malabar do.	Do. do.	Do.	Do.
Off Tapti light	Gulf of Cambay	Do. do.	All lost	Do.
Mangalore	Malabar coast	Do. do.	Do.	Do.
Near Piram island	Gulf of Cambay	Do. do.	Do.	Do.
Opposite Bhagwa	Do. do	Foundering.—Heavy weather	Do.	Do.
Phiti mouth	Sind coast	Stranding.—Tides and currents	Do.	1 life lost.
Eastern side of Takara	Gulf of Cutch	Do. do.	Partially lost and partially damaged.	None lost.
Off Verawal	Kathiawar coast	Foundering.—Heavy weather	All lost	Do.
Panchpara Flat	Hughli river	Do. Error of the 3rd Officer	No cargo	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of wreck.
31	STAR OF CHITTAGONG	British Indian	613	Madras	Cocanada	July 15th
32	YEDE	British steam launch.	10	Sandoway	Toungup and Kyaukpyu.	August 2nd
33	RAMBAGHA	Do.	26	Kyunpyathaé	Yandoon	Do. 6th
34	RHAJUDDY	Do.	11	Plying in the Hughli river		September 1st
35	BHAGWANPRASAD	British Indian	12	Broach	Gogo	Do. 3rd
36	PARVATIPASHA GULAB	Do.	150	Salaya	Karachi	Do. do.
37	A. J. KHATOON	Do.	191	Kaite	Cocanada	October 6th
38	RAHIMANI	Do.	38	Coondapur	Mangalore	Do. 8th
39	SRI LAKSHMI NARASINHA SWAMI.	Do.	82	Masulipatam	Negapatam	Do. do.
40	SRI VENKATA NARAYANA SWAMI.	Do.	55	Madras	Ipurapalem	Do. do.
41	KIN KIN GYI	Native craft	46	Amherst	Rangoon	November 7th
42	FATEH RAHEMAN	Do.	60	Gogha	Karachi	December 18th
43	VENAVALLI	British Indian	125	Salia	Calicut and Karachi	Do. 24th
44	PRINCESS OF WALES	Do.	188	Moulmein	Katchall and Great Nicobars.	Do. 25th

Waters during the year 1921.

Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Lat. 12° 27½′ N., long. 81° 00′ E.	Coromandel coast	Foundering.—Heavy weather	In ballast	None lost.
Near Kallingdaung river, Sandoway.	Burma coast	Do. Error of the Serang	All lost	Do.
Opposite Thawethaw, Irrawaddy river.	Burma	Do. do.	Do.	2 lives lost.
Pir Serang	Hughli river	Do. Tides and currents	No cargo	None lost.
Mouth of the Ghamsar creek	Gulf of Cambay	Do. Heavy weather	All lost	Do.
Near Muteni Chhad	Gulf of Cutch	Do. do.	No cargo	Do.
Exact spot not reported	Coromandel coast	Do. do.	In ballast	Do.
Mangalore harbour entrance	Malabar do.	Stranding.—Heavy weather	All lost	Do.
Off Iskapalli	Coromandel do.	Do. do.	Partially lost	Do.
Do.	Do. do.	Do. do.	No cargo	Do.
East of Eastern Grove lighthouse.	Burma coast	Do. do.	All lost	Do.
Near Surat Channel	Gulf of Cambay	Foundering.—Heavy weather	Do.	Do.
Karikal	Bombay coast	Stranding.—Tides and currents	Partially lost	Do.
Lat. 8° 21′ N., long. 92° 43′ E.	Bay of Bengal	Foundering.—Heavy weather	Do.	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
1	Khosrou	British screw steamer.	2,422	In Port of Bombay		January 1st
2	Hannover	British twin screw steamer.	4,635	Karachi	Suez	Do. 3rd
3	Vijayapasa	Native craft	55	Bombay	Porbander	Do. 4th
4	Fatesalamat	Do.	49	Mangrol	Dwarka	Do. 9th
5	Sakario	Do.	17	Beyt	Porbander and Dwarka.	Do. 11th
6	Manikprasad	British Indian	52	Bhavnagar	Bulsar	Do. 14th
7	Perlak	British screw steamer.	2,103	Rangoon	Chittagong	Do. 16th
8	Frauenfels	German screw steamer.	4,678	Hamburg	Madras and Calcutta.	Do. 18th
9	Esperia	British screw steamer.	2,323	Bombay	Karachi and Hamburg.	Do. 19th
10	P. Machesi Rupabel	British Indian	20	Bhiwandi	Bulsar	Do. 27th
11	Teneho Maru	Japanese screw steamer.	2,005	Calcutta	Bombay and Karachi.	Do 28th
12	Chandani	British Indian	9	Bombay	Panwel	Do. do.
13	Western Knight	American screw steamer.	3,915	New York	Aden and Port Said.	Do. do.
14	Chow Fa	British screw steamer.	1,055	Calcutta	Chittagong	Do. 31st
15	Manek Pasa	Native craft	38	Bombay	Porbander	Do. —
16	Lama	British screw steamer.	957	Chittagong	Akyab and Rangoon.	February 9th
17	Rupabel	British Indian	19	Mohwa	Kalyan	Do. 10th
18	Mohidin Cader Hydrose	Do.	193	Rangoon	Vizagapatam	Do. 13th
19	Huntsend	British screw steamer.	5,116	In Alexandra Dock, Bombay		Do. 16th
20	Hatkhola	Do.	4,278	Massawa	Colombo and Calcutta.	March 1st
21	Puranprasad	Native craft.	34	Ankleshwar	Porbander	Do. 4th
22	Toyo Maru	Japanese screw steamer.	2,279	Bombay	Calcutta	Do. 9th
23	Binfield	British screw steamer.	2,160	Rangoon	Madras	Do. 15th
24	Swazi	Do.	3,174	Madras	Calcutta	Do. 22nd
25	Tenyethos	Do.	2,716	South Shields	Karachi and Calcutta.	Do. 27th
26	Dingy Lallai	British Indian	27	Junga Vatho	Karachi	April 11th
27	Shahjehan	British screw steamer.	1,403	Chittagong	Calcutta	Do. 12th
28	Shahjehan	Do.	1,403	Do.	Do.	Do. 12th
29	Bikrampur	British Indian	431	At anchor in the Karnafuli river		Do. 12th
30	Karroo	British screw steamer.	3,941	New York	Rangoon and Calcutta.	Do. 24th

Waters during the year 1921.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Bombay harbour	Bombay coast	Fire.—Spontaneous combustion	Partially damaged	None lost.
Lat. 23° 0′ N., long. 64° 52′ E.	Arabian sea	Do. Unknown	Do.	Do.
Near Dambej	Kathiawar coast	Stranding.—Heavy weather	Partially lost	Do.
Near Harsad Mata	Do. do.	Damage to vessel.—Heavy weather	Do.	Do.
Between Navadra and Bhogat.	Do. do.	Capsized.—Heavy weather	None lost	Four lives lost.
Bhavnagar creek	Gulf of Cambay	Do do.	In ballast	None lost.
Chittagong	Chittagong coast	Stranding.—Unavoidable	None lost	Do.
James and Mary shoals	Hughli river	Do. Formation of a lump	Do.	Do.
Lat. 24° 39′ N., long. 66° 47′ E.	Sind coast	Fire.—Spontaneous combustion	Partially lost and partially damaged.	Do.
Bhiwandi creek	Bombay coast	Stranding.—Tides and currents	All lost	Do.
Off Karachi	Sind coast	Do. do.	None lost	Do.
Near Divila	Bombay coast	Do. do.	Partially lost	Do.
S. S. W. of Ras Kaan	Gulf of Aden	Do. Error of the Master	None lost	Do.
Brul Sand	Hughli river	Do. Jamming of the helm	Do.	Do.
Near Vassi	Bombay coast	Sprung a leak.—Heavy weather	Partially lost	Do.
Akyab	Burma do.	Collision with Akyab Wharf.—Error of the Pilot.	None lost	Do.
Vadwan rocks	Bombay do.	Stranding.—Error of the Tindal	About all lost	Do.
Off Upada	Coromandel coast	Collision with an unknown vessel.—Avoidable.	None lost	Do.
Bombay harbour	Bombay do.	Fire.—Unknown	No cargo	Do.
Off Budge Budge	Hughli river	Stranding.—Error of the Pilot.	None lost	Do.
Near Bhagwa Bandar	Gulf of Cambay	Damage to vessel.—Heavy weather	Partially lost	Do.
Mud Point	Hughli river	Stranding.—Heavy weather	Water ballast	Do.
Madras Roads	Coromandel coast	Do. Error of the Master	None lost	Do.
Nazergunge Flat	Hughli river	Do. Heavy weather	Do.	Do.
Pir Serang	Do. do.	Do. Jamming of the helm	Do.	Do.
Junga Vatho	Sind coast	Do. Tides and currents	Partially lost and partially damaged.	Do.
Karnafuli river	Chittagong coast	Do. Error of the Junior Harbour Master.	None lost	Do.
Do. do.	Do. do.	Collision with the barque "Bikrampur."—Error of the Junior Harbour Master.	Do.	Do.
Do. do.	Do. do.	Collision with the S.S. "Shahjehan".—Error of the Junior Harbour Master of that vessel.	Do.	Do.
Hooghly Point	Hughli river	Stranding.—Vessels taking a heavy sheer to starboard.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
31	Barkhati	British Indian	19	Dabhol	Bombay	May 2nd
32	Malakand	British screw steamer.	4,635	Liverpool	Calcutta and Bombay.	Do. 5th
33	Ruparel	Native craft	47	Bombay	Porbander	Do. 6th
34	Mamprasad	British Indian	19	Navsari	Taluja	Do. 8th
35	Allimadat	Do.	47	Calicut	Bombay	Do. 10th
36	Rangala	British screw steamer.	1,935	Rangoon harbour		Do. do.
37	Erindayanesan	British Indian	131	Colombo	Tuticorin	Do. 18th
38	Duchessa D'Aosta	Italian screw steamer.	4,684	Trieste	Port Said and Fremantle.	Do. 26th
39	City of Calcutta	British screw steamer.	4,902	Liverpool	Calcutta	Do. do.
40	Sikandar	Native craft	52	Bombay	Porbander	June 1st
41	Ekma	British twin screw steamer.	2,356	Rangoon	Calcutta	Do. 6th
42	Angora	British screw steamer.	1,926	Do.	Do.	Do. do.
43	E. O. Salt March	Do.	2,319	Calcutta	Madras	Do. 15th
44	Nymph	British Indian	110	Tuticorin	Cuddalore	Do. 25th
45	Upada	British screw steamer.	3,382	Calcutta	Rangoon	Do. 30th
46	Obra	Do.	3,521	Cuddalore	Calcutta	July 14th
47	Naldera	British twin screw steamer.	3,794	London	Bombay and Colombo	Do. 29th
48	Clan Lamont	British screw steamer.	2,286	Glasgow	Birkenhead and Bombay.	Do. do.
49	Branksome Hall	Do.	2,308	Calcutta	Karachi	Do. do.
50	Sumatra Maru	Japanese screw steamer.	4,253	Do.	Colombo and Port Said.	August 3rd
51	Merton Hall	British screw steamer.	3,134	London	Delagoa bay and Colombo.	Do. 12th
52	City of Agra	Do.	3,096	Kidderpore Docks, Calcutta		Do. 18th
53	Pundit	Do.	3,119	Calcutta	Java	Do. 22nd
54	Meiten Maru	Japanese screw steamer.	2,426	Do.	Bombay	Do. 26th
55	Edavana	British twin screw steamer.	2,686	At Calcutta		September 2nd
56	Doyles-own	American screw steamer.	1,610	Hongkong	Madras and Calcutta	Do. Do.
57	Dinghy Shekhai	British Indian	19	Baghan	Ketibandar and Karachi.	Do. 3rd
58	Jacox	American screw steamer.	1,621	Hongkong	Rangoon and Calcutta.	Do. 4th
59	Yorkshire	British twin screw steamer.	6,266	Liverpool	Colombo and Rangoon.	Do. 6th

Waters during the year 1921.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
Dabhol bar	Bombay coast	Capsized.—Heavy weather	Partially lost	None lost.
Fishermans Point	Hughli river	Stranding.—Heavy weather	None lost	Do.
Surat river bar	Gulf of Cambay	Damage to vessel.—Heavy weather	Partially lost	Do.
Near Vansi Borsi	Do.	Stranding.—Heavy weather	Partially lost and partially damaged.	Do.
Malawan Port	Bombay coast	Do. Not reported	Partially lost	Do.
Rangoon harbour	Burma do.	Collision with Sule Pagoda Wharf.—Faulty working of main engines.	None lost	Do.
South-east of Manauli island	Gulf of Manar	Stranding.—Heavy weather	Unknowa	Do.
Perim harbour	Red sea	Collision with the S.S. "City of Calcutta."—Refusal of that vessel to answer her helm.	No cargo	Do.
Do.	Do.	Collision with the S.S. "Duchessa D'Aosta."—Vessel's refusal to answer her helm.	None lost	Do.
Madhigam	Kathiawar coast	Damage to vessel.—Heavy weather	Partially lost	Do.
Saugor Roads	Hughli river	Collision with the S.S. "Angora."—Accidental.	None lost	Do.
Do.	Do. do.	Collision with the S.S. "Ekma."—Accidental.	Do.	Do.
Madras harbour	Coromandel coast	Collision with the east quay.—Accidental.	Not reported	Do.
Off Caleroon Point	Do. do.	Stranding.—Error of the Master	All lost	Do.
Liffey Reach, Rangoon river.	Burma do.	Do. Unavoidable	None lost	Do.
Haldia Sands	Hughli river	Do. Error of the Pilot and the 2nd Mate Leadsman.	Do.	Do.
Bombay harbour	Bombay coast	Collision with the S.S. "Clan Lamont."—Error of the Pilot,	Do.	Do.
Do.	Do. do.	Collision with the S. S. "Naldera."—Error of the Pilot of that vessel.	Do.	Do.
Saugor Sand	Hughli river	Stranding.—Tides and currents	Do.	Do.
Southern portion of Red sea	Red sea	Fire.—Spontaneous combustion	Partially damaged	Do.
Lat. 7° 1′ N., long. 77° 32′ E.	Indian Ocean	Stranding.—Accidental	None lost	Do.
No. 8 Kidderpore Docks, Calcutta.	Hughli river	Fire.—Accidental	Unknown	Do.
Nurpur Reach	Do. do.	Stranding.—Heavy weather	No cargo	Do.
Balari ban	Do. do.	Do. Formation of a lump	None lost	Do.
Off Kidderpore Dock, Calcutta.	Do. do.	Collision with the S.S. "Doylestown."—Error of the Assistant Harbour Masters of both vessels.	Do.	Do.
Do. do.	Do. do.	Collision with the S.S. "Edavana."—Error of the Assistant Harbour Masters of both vessels.	Do.	Do.
Dubs mouth	Sind coast	Capsized.—Heavy weather	All lost	Do.
Rangoon	Burma do.	Collision with No. 1 Sule Pagoda Wharf.—Unavoidable.	None lost	Do.
Rangoon harbour	Do. do.	Collision with cargo boat No. 502.—Error of the Tindal of the boat.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.	Date of casualty.
60	Umvologi	British screw steamer.	1,855	Calcutta	Bombay and South Africa.	September 8th
61	Koshu Maru	Japanese screw steamer.	2,145	Do.	Singapore	Do. do.
62	Indus Maru	Do.	2,705	Bombay	Singapore and Kobe	Do. do.
63	Falcon	British screw steamer.	136	Aden	Djibouti & Zeila	Do. 20th
64	Shuja	Do.	3,112	Bombay	Zeddah	Do. 21st
65	Ramprasad	British Indian	2	Bhimpore	Kolak	Do. 23rd
66	Soudan	British twin screw steamer.	4,218	Bombay	London	October 1st
67	Clan Macbride	British screw steamer.	3,909	Glasgow	Colombo and Calcutta.	Do. 7th
68	City of York	Do.	5,033	Bombay	Rangoon and Calcutta.	Do. do.
69	Gutenfels	German screw steamer.	3,849	Calcutta	Hamburg ...	Do. 8th
70	Coconada	British twin screw steamer.	2,162	Rangoon	Gopalpore ...	Do. 12th
71	Thruster	British steam tug	116	Madras harbour		Do. 16th
72	Clan Murray	British screw steamer.	3,678	Calcutta	Madras and London	Do. do.
73	Bangala	Do	1,935	Madras	Rangoon	Do. 18th
74	Frankfor	Do	2,297	Bombay	Moulmein and Rangoon.	Do. 24th
75	Lai Sang	Do	2,225	Calcutta	Penang	November 7th
76	Adrosbandooli	British Indian	59	Minikoi	Nicobar islands and Moulmein.	Do. do.
77	Ganjo Fatrearim	Do	161	Cutch Mandri	Car Nicobar and Calcutta.	Do. 8th
78	"K. IV"	Dutch Submarine	...	Flushing	Aden and Padang	Do. 9th
79	Arankola	British twin screw steamer.	1,725	Calcutta	Rangoon	December 7th
80	Anchoria	British screw steamer.	3,725	Do	London	Do. 11th
81	Hodi Mahamudi	British Indian	2	Fishing off Boria		Do. 22nd
82	Binfield	British screw steamer.	3,160	Rangoon	Calcutta and Bombay.	Do. 24th
83	Ram Madat	British Indian	49	Bombay	Porbander	Do. 30th

Waters during the year 1921.

Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No of lives lost or saved.
Prinseps Ghat, Calcutta	Hughli river	Stranding.—Error of the Assistant Harbour Master.	None lost	None lost.
Garden Reach	Do. do.	Do. Tides and currents	Do.	Do.
Near Tuticorin Roadstead	Gulf of Manar	Do. Unavoidable	Partially damaged	Do.
Aibat reef	Gulf of Aden	Do. Error of the Master and the Chief Officer.	None lost	Do.
Near Ras Fartak	Arabian coast	Do. do	In ballast	Do.
Kolak creek	Gulf of Cambay	Capsized.—Error of the passengers	No cargo	2 lives lost.
Bombay	Bombay coast	Collision with the Alexandra Dock wall.—Accidental.	None lost	None lost.
Madras harbour	Coromandel coast	Collision with the S.S. "City of York."—Heavy weather.	Do.	Do.
Do.	Do. do.	Collision with the S.S. "Clan Macbride."—Heavy weather.	Do.	Do.
Gabtola Channel	Hughli river	Stranding.—Unavoidable.	Do.	Do.
6 miles south of Gopalpore	Madras coast	Do Error of the 2nd Officer	Do.	Do.
Madras harbour	Coromandel coast	Collision with the S. S. "Clan Murray".—Error of the Master.	No cargo	Do.
Do	Do do	Collision with the steam tug "Thruster."—Error of the Master of that vessel.	None lost	Do.
Rangoon river	Burma do	Collision with a jetty and a few cargo boats.—Foggy weather.	Do	Do.
Moulmein river	Do do	Stranding.—Error of the Pilot	Do	Do.
Jellingham Channel	Hughli river	Do. Jamming of the steering gear.	Do	Do.
Off Diamond island	Burma coast	Dismasted and rudderless.—Heavy weather.	Unknown	Do.
100 miles west of Alguada lighthouse.	Bay of Bengal	Dismasted and rudderless.—Heavy weather.	Partially lost	Do.
Colombo harbour	Ceylon coast	Battery explosion.—Unknown	No cargo	2 lives lost.
Above Moyapore bar	Hughli river	Stranding.—Formation of a lump	None lost	None lost.
Balari bar	Do do	Do. Deterioration of river bed.	Do	Do.
Off Boria	Bombay coast	Capsized.—Heavy weather	No cargo	1 life lost.
Rangoon harbour	Burma do	Stranding.—Unavoidable	None lost	None lost.
Off Mudh Fort (Veeava)	Bombay do	Do. Heavy weather	All lost	Do.

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GOVERNMENT OF INDIA

DEPARTMENT OF COMMERCE AND INDUSTRY

MERCHANT SHIPPING

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1922

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-SEVEN YEARS

PREPARED BY

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OFFG. PORT OFFICER AND REGISTRAR OF WRECKS

CALCUTTA

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1923

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REVIEW.

During the year 1922, 60 Wrecks and 57 Casualties to vessels in Indian Waters were reported to this Department.

Included in the Wrecks there are 4 British, 45 British Indian vessels and 11 Native craft. The Casualties comprise 24 British, 7 Foreign, 20 British Indian vessels and 6 Native craft.

The Wrecks are due to 1 Collision, 26 Founderings and 33 Strandings and the Casualties consist of 6 Collisions, 4 Founderings, 32 Strandings and 15 other cases.

The Wrecks are responsible for the loss of 28 lives and the Casualties 17, making a total of 45 lives.

The total tonnage lost is calculated at 4,042 tons exclusive of 1 British, 5 British Indian vessels and 1 Native craft, the tonnage of which is not known.

5 British steam vessels were reported to have been on fire at Kidderpore Docks, Calcutta, between 9th March and 5th April 1922 but in no case was any material damage sustained. The cause of the outbreak in most of the cases was unknown.

The most lamentable disaster which occurred during the year under review is that of the British steam barge "Lakshmi," on a voyage from Bassein to Rangoon with a crew of 14 hands, 89 passengers and general cargo, which was in collision with the S.S. "Java" at Thongwa, Maubin river, on the 5th March 1922 and resulted in the sinking of the steam barge (since salved) with the loss of life. A Court of Enquiry was held at Rangoon and in the finding it is recorded that if the maximum figures are accepted, about 63 lives were saved, 10 lives (2 men, 4 women and 4 children) were lost and nearly 30 appear to have been unaccounted for. The Local Government in agreement with the Court decided that failure of the Master of the S.S. "Java" and the Serang of the S.B. "Lakshmi" to take adequate steps to save life, thereby leaving the helpless women and children to their fate, was unpardonable. The Certificates of Competency of both the Master of the S.S. "Java" and the Serang of the S. B. "Lakshmi" were cancelled.

The British Indian vessel "Laxmi" while returning from Bombay to Borlai Bandar in Janjira State encountered a strong wind and sank off Chowl Khadi beacon on the 15th July 1922. Out of a crew of 18, 6 lives were lost.

The British Indian vessel "Lino-Byan" whilst on a voyage from Nickayin to Rangoon was caught in a cyclone, driven ashore and subsequently abandoned near China Bakir light-vessel on the 27th November 1922. 7 lives were reported missing out of the crew of 9.

The British Indian vessel "Muhamed Baghyaletchimi" which left Tuticorin for Calicut experienced squally weather and foundered off Manakudi on the 29th November 1922. 7 lives were reported to have been lost.

Casualties of very little importance have, as usual, been omitted from this Return.

The Wrecks and Casualties numbering 117, occurred in the following localities :—

> 26 on the Bombay coast, 18 in the Hughli river, 13 on the Malabar coast, 12 on the Burma coast, 11 in the Gulf of Cambay and Kathiawar coast, 11 in the Bay of Bengal, 9 on the Sind coast, 5 in the Gulf of Kutch and the rest in smaller numbers occurred in other localities in Indian Waters.

The following analyses show :—(A) the causes to which the reported Wrecks and Casualties are attributed ; (B) a comparative statement of the reported number of Wrecks and Casualties recorded in the Indian Wreck Department from the years 1886 to 1922, inclusive, showing respectively in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters are due to unavoidable or preventable causes ; (C) a comparative statement showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886

to 1922, inclusive; (D) a tabular statement of the Wrecks and (E) a tabular statement of the Casualties reported in Indian Waters during the year under review arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram showing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1922, are also appended to this Return.

In conclusion I have to acknowledge, with thanks, the generous assistance of the various Marine Authorities in India and the Shipping Firms in Calcutta who kindly supplied this Office with the particulars of Wrecks and Casualties herein recorded.

P. G. GLANVILLE, *Commander, R.I.M.*,
Officiating Port Officer and Registrar of Wrecks, Calcutta

The 31st March 1923.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other causes.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
Wrecks.												
British vessels—												
Steam	1	75	...	1	(a)	...	2	477	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian—												
Sailing	...	...	...	21	(b) 1,171	13	24	(b) 1,703	12	...	...	...
Native craft of all nationalities—												
Sailing	...	...	...	4	231	2	7	(c) 385	1	...	...	...
Vessels of Foreign nationalities—												
Steam	...	...	...	...	...	...	...	...	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	1	75	...	26	1,402	15	33	2,565	13	...	...	...
Casualties.												
British vessels—												
Steam	4	7,709	10	...	...	...	11	37,007	...	9	37,974	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
British Indian—												
Sailing	1	7	...	4	168	6	11	808	...	4	210	1
Native craft of all nationalities—												
Sailing	...	...	...	...	...	...	4	212	...	2	72	...
Vessels of Foreign nationalities—												
Steam	1	4,679	...	...	...	...	6	15,667	...	...	...	...
Sailing	...	...	...	...	...	...	...	...	...	...	...	...
Total	6	12,395	10	4	168	6	32	53,694	...	15	38,256	1
GRAND TOTAL	7	12,470	10	30	1,570	21	65	56,259	13	15	38,256	1

(a) Not including the tonnage of 1 British motor launch, (b) 5 British Indian vessels and (c) 1 Native craft, not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1922, inclusive, showing respectively British and Foreign vessels, British Indian vessels and Native craft.

Year.	WRECKS.						Total.	CASUALTIES.						Total.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888	3	8	8	7	16	6	48	72	33	39	11	35	...	190
1889	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890	10	11	28	14	9	1	73	65	41	23	7	5	...	141
1891	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892	3	3	30	5	31	...	72	36	48	42	3	29	...	158
1893	6	4	36	6	9	...	61	46	54	48	4	9	1	162
1894	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895	4	3	28	9	5	...	49	48	36	55	17	6	1	163
1896	3	3	23	9	16	...	54	38	64	42	20	22	3	189
1897	4	6	34	4	9	...	57	33	27	43	8	9	...	120
1898	3	6	19	8	10	...	46	85	44	56	5	20	1	211
1899	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900	2	3	24	6	14	1	50	46	29	33	2	9	...	119
1901	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902	6	1	33	2	11	...	53	29	34	25	9	29	4	130
1903	...	...	27	5	10	1	43	16	41	84	7	13	2	163
1904	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905	3	6	29	3	2	1	44	28	23	25	7	20	...	103
1906	2	1	23	9	15	2	52	31	48	16	4	21	...	120
1907	4	1	19	3	10	...	37	61	32	35	10	12	2	152
1908	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912	2	3	39	4	7	...	55	70	28	50	7	9	...	164
1913	3	2	39	5	10	...	59	44	25	33	6	2	...	110
1914	24	...	27	3	4	1	59	46	15	29	7	...	1	98
1915	4	2	19	2	4	...	31	29	21	28	4	15	...	97
1916	10	2	35	2	10	...	59	26	11	34	5	6	...	82
1917	11	...	38	3	13	...	65	20	10	30	7	29	...	96
1918	3	2	57	1	10	1	74	17	8	61	5	6	2	99
1919	17	8	39	6	13	1	84	47	13	37	1	5	1	104
1920	7	3	31	2	3	...	46	37	31	22	4	10	1	105
1921	3	3	33	2	3	...	44	39	19	13	5	7	...	83
1922	2	2	43	2	9	2	60	22	9	18	2	4	2	57

C.—Comparative Statement showing the reported number of maritime wrecks and casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost, during the years 1886 to 1922 inclusive.

Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.	Year.	Number of wrecks and casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1905	147	3,470 (*f*)	86
1887	228	20,022	1,016 (*a*)	1906	172	5,545 (*g*)	82
1888	238	11,739 (*b*)	917	1907	189	8,602 (*h*)	70
1889	217	9,629	35	1908	225	11,768 (*i*)	59
1890	214	16,973	22	1909	391	18,620 (*j*)	69
1891	231	12,068	240	1910	242	8,280 (*k*)	64
1892	230	10,410	272	1911	202	12,308 (*l*)	74
1893	223	12,428	170	1912	219	9,165 (*m*)	138
1894	234	5,180	81	1913	169	5,518 (*n*)	98
1895	212	7,982	63	1914	157	55,149 (*o*)	44
1896	243	8,147	168	1915	128	12,824 (*p*)	20
1897	177	18,141	96	1916	141	9,564 (*q*)	59
1898	257	11,979	75	1917	161	30,930 (*r*)	214
1899	218	2,728	22	1918	173	11,736 (*s*)	91
1900	169	9,140	34	1919	188	26,535 (*t*)	116
1901	189	4,980	22	1920	151	18,322 (*u*)	13
1902	183	6,949 (*c*)	831	1921	127	7,863 (*v*)	33
1903	206	1,823 (*d*)	50	1922	117	4,042 (*w*)	45
1904	164	6,095 (*e*)	73				

From the foregoing it will be seen that during the past 37 years, *viz.*, from 1886 to 1922, inclusive, the annual average of the reported wrecks and casualties in Indian Waters has been 204, the average total tonnage of vessels wrecked 12,218 and the average number of lives lost 153.

Notes.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lomport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) Not including the tonnage of one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) Not including the tonnage of three British Indian vessels not given.
(*e*) Not including the tonnage of one British flat and two Native craft not given.
(*f*) Not including the tonnage of three British and two British Indian vessels not given.
(*g*) Not including the tonnage of one British Indian vessel and four Native craft not given.
(*h*) Not including the tonnage of two British Indian vessels and two Native craft not given.
(*i*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*j*) Not including the tonnage of nine British Indian vessels and one Native craft not given.
(*k*) Not including the tonnage of two British vessels, four British Indian vessels and one Native craft not given.
(*l*) Not including the tonnage of one British vessel and two British Indian vessels not given.
(*m*) Not including the tonnage of four British Indian vessels not given.
(*n*) Not including the tonnage of one British flat and three British Indian vessels not given.
(*o*) Not including the tonnage of three British vessels not given.
(*p*) Not including the tonnage of one British flat and one British Indian vessel not given.
(*q*) Not including the tonnage of two British steam launches not given.
(*r*) Not including the tonnage of one British Indian vessel not given.
(*s*) Not including the tonnage of six British Indian vessels not given.
(*t*) Not including the tonnage of eight British and one British Indian vessels and one Native craft not given.
(*u*) Not including the tonnage of one British vessel not given.
(*v*) Not including the tonnage of two British Indian vessels not given.
(*w*) Not including the tonnage of one British, five British Indian vessels and one Native craft not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
1	Guzie	British steam launch	75	Plying in the Hughli river.	
2	Shavil Hamid	British Indian	46	Mangalore	Nova Goa
3	Fateh-al-Mahadar	Native craft (Arab)	60	Muscat	Bombay
4	Jamnaprasad	Native craft	56	Billimora	Calicut and Tuna
5	Cargo boat No. 708	British Indian	38	Akyab	Maungdaw
6	Mahadeo Passa	Native craft	41	Kutch Mandvi	Vengurla
7	Ruparel	British Indian	Unknown	Surat	Mahuva
8	Mohideen Noor Margina.	Do.	106	Mangalore	Colombo
9	M. Alibag	Do.	24	Manori	Bombay
10	Lottie	British motor launch	Not given	Rangoon harbour.	
11	Kholprasad	British Indian	4	Jaitapur	Tulsunda
12	Rahimtulla	Native craft	26	Pindara	Karachi
13	Fatehkhair	British Indian	20	Mandvi	Seer
14	Pir Maduth	Do.	83	Porbander	Bombay
15	Kim Yoe	Do.	126	Moulmein	Dillie and Car Nicobar
16	Kadrio	Do.	28	Kutch Mandvi	Ketibunder
17	Kadri	Do.	Not given	Do.	Do.
18	Showal Hamid Kadree	Do.	294	Moulmein	Car Nicobar
19	Binod	British motor ship	306	Kankasanturai	Madras and Calcutta
20	Rampassa	British Indian	199	Bet	Calicut
21	Joodasalam	Do.	91	Trombay	Tellicherry and Ponani
22	Cargo boat No. 29	Do.	46	Akyab	Chittagong
23	R. Khatoon	Do.	90	Chittagong	Akyab and Maungdaw
24	Savai Gulabi	Do.	103	Trombay	Calicut and Ponani
25	Beg Sultan Secunder	Do.	129	Moulmein	Car Nicobar
26	Allaniah Agee	Do.	141	Do.	Do.
27	Jodia	Native craft (Portuguese).	56	Porbander	Ibo, Africa

waters during the year 1922.

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
January, 8th .	Sulkea . . .	Hughli river . .	Collision with the ferry steamer "Santi." Error of the Serang.	No cargo	None lost.
January 21st .	Off Padukeri. . . .	Malabar coast . .	Foundering. Sprung a leak.	All lost .	Do.
January 28th .	Bombay harbour .	Bombay coast . .	Stranding. Accidental	Do. .	Do.
January 30th .	Nakti . . .	Gulf of Kutch . .	Foundering. Error of the Tindal.	Partially lost	Do.
February 8th .	Near Oyster island lighthouse.	Burma coast . .	Foundering. Heavy weather.	No cargo .	Do.
February 19th	Burnt island rocks, off Vengurla.	Bombay coast . .	Stranding. Heavy weather.	In ballast .	Do.
February 21st	Chopda . . .	Gulf of Cambay .	Stranding. Accidental	All lost .	Do.
March 9th .	Mangalore Roads .	Malabar coast . .	Stranding. Left port without a Pilot.	Do. .	Do.
March 14th .	Manori creek . .	Bombay coast . .	Stranding. Tides and currents.	Do. .	Do.
March 14th .	Rangoon harbour .	Burma coast . .	Foundering. Unavoidable.	No cargo .	Do.
March 18th .	Tulsunda bar . .	Bombay coast . .	Stranding. Heavy weather.	Partially lost	1 life lost.
March 23rd .	Near Koyar and Mull mouths.	Sind coast . .	Foundering. Heavy weather.	All lost .	None lost.
March 26th .	Alloovalla . .	Gulf of Kutch .	Stranding. Heavy weather.	Do. .	Do.
April 4th .	Off Surat . . .	Gulf of Cambay .	Foundering. Sprung a leak.	Do. .	Do.
April 9th .	Mus, Car Nicobar .	Bay of Bengal . .	Stranding. Heavy weather.	Do. .	Do.
April 14th .	Khara creek mouth .	Gulf of Kutch . .	Foundering. Heavy weather.	In ballast .	Do.
April 14th .	Off Kutch, Mandvi .	Do. . .	Do. .	Do. .	Do.
April 19th .	Sawi bay, Car Nicobar	Bay of Bengal . .	Stranding. Heavy weather.	All lost .	Do.
April 19th .	Lat. 21° 33′ N., long. 87° 30′ E.	Orissa coast . .	Do. .	Sand ballast .	Do.
April 20th .	Calicut . . .	Malabar coast . .	Stranding. Tides and currents.	None lost .	Do.
April 20th .	Azhikal bar . .	Do. . .	Stranding. Heavy weather.	Partially lost	Do.
April 24th .	Off the mouth of the Karnafuli river.	Chittagong coast .	Foundering. Heavy weather.	All lost .	3 lives lost.
April 24th .	Off Maungdaw . .	Burma coast . .	Do. .	Mud ballast .	None lost.
April 27th .	Malpe Port . .	Malabar coast . .	Foundering. Sprung a leak.	Partially lost and partially damaged.	Do.
April 28th .	Sawi bay, Car Nicobar	Bay of Bengal . .	Stranding. Heavy weather.	All lost .	Do.
April 28th .	Do. .	Do. . .	Do. .	Do. .	Do.
April 29th .	Near Kovalam . .	Malabar coast . .	Do. .	Partially lost	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
28	P. Naranprasad	British Indian	27	Bombay	Manori
29	Bhopal	British Inland steamer	171	Calcutta	Narsingunge and Cachar.
30	Ramedi	British Indian	7	Kalyan	Mumbra
31	Barkhati	Do.	11	Purnagad	Ratnagiri
32	Yeshwanty	Do.	8	Do.	Do.
33	Salamati	Do.	9	Do.	Do.
34	Pathahe	Do.	39	Tellicherry Roads.	
35	Fatehkhair	Native craft	130	Bombay	Karachi
36	Bakhtiar	British Indian	50	Bombay harbour.	
37	Fatel Khear	Native craft	139	Malpi	Deogad and Karachi
38	A country craft (name unknown).	British Indian	Unknown	Unknown.	
39	Fathehool Salamiya	Do.	135	Mora	Cochin
40	St. Francis	Do.	125	Calicut	Adirampatam and Cocanada.
41	Bhairi	Do.	4	Bombay harbour.	
42	Khudabaksh	Native craft	19	Dholera	Bhavnagar
43	Kyarpan	British Indian	107	Nancowry	Rangoon
44	Palkhi	Do.	6	Karanja	Bombay
45	Tasir	Do.	Unknown	Basrah	Karachi
46	Selvanayaghie	Do.	41	Pamban	Negapatam
47	Kashiprasad	Do.	16	Bombay	Bhavnagar
48	Cargo-boat No. 163	Do.	15	Mangalore	Azhikal
49	Laxmiprasad	Native craft (Portuguese).	43	Do.	Surat
50	Jalebio	British Indian	89	Cutch Lakhput	Calcutta
51	Narayan Prasad	Native craft	46	Mus (Car Nicobar)	Moulmein
52	Fateh Mubarak	Do.	Unknown	Jakhau	Karachi
53	Lino-Byan	British Indian	76	Nickayin	Rangoon
54	Hydrose	Do.	39	Tuticorin	Kulasekharapatnam

waters during the year 1922—*contd.*

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
May 1st	Manori creek	Bombay coast	Stranding. Heavy weather.	In ballast	None lost.
May 10th	Below Baidya Bazar	Megna river	Stranding. Error of the Serang.	No cargo	Do.
May 14th	Thana creek	Bombay coast	Foundering. Heavy weather.	All lost	Do.
May 15th	Purnagad creek	Do.	Stranding. Heavy weather.	All lost	Do.
May 15th	Do.	Do.	Do.	Do.	Do.
May 15th	Do.	Do.	Do.	Do.	Do.
May 18th	Tellicherry	Malabar coast	Do.	No cargo	Do.
May 20th	Near Jakhau	Gulf of Kutch	Foundering. Heavy weather.	None lost	2 lives lost.
May 21st	Bombay harbour	Bombay coast	Do.	All lost	None lost.
May 24th	Near Navibandar	Kathiawar coast	Stranding. Heavy weather.	Do.	1 life lost.
June 5th	Near Manki port	Bombay coast	Foundering. Heavy weather.	Do.	Unknown (presumably none lost).
June 7th	Malpe bar	Malabar coast	Stranding. Heavy weather.	Partially lost	None lost.
June 29th	Off Sacramento light-house.	Madras coast	Foundering. Sprung a leak.	All lost	Do.
July 18th	Prongs reef, Bombay harbour.	Bombay coast	Stranding. Tides and currents.	Do.	3 lives lost.
July 27th	Near Mitli.	Gulf of Cambay	Foundering. Heavy weather.	Do.	None lost.
August 4th	Off the mouth of the Pyamalaw river.	Burma coast	Stranding. Heavy weather.	Do.	Do.
August 24th	Opposite Karanja	Bombay coast	Foundering. Heavy weather.	Do.	Do.
September 24th	Near Hajamro mouth of the river Indus.	Sind coast	Stranding. Heavy weather.	Do.	Do.
October, 5th	Lat. 10° 15½′ N., long. 79° 52¼′ E.	Palk strait	Foundering. Heavy weather.	Do.	Do.
October, 28th	Off Sunk rock light-house, Bombay harbour.	Bombay coast	Foundering. Old age of the vessel.	Do.	1 life lost.
November 10th	Off Kasargod bar	Malabar coast	Stranding. Heavy weather.	Do.	1 Do.
November 18th	Tapti river creek	Gulf of Cambay	Stranding. Error of the Pilot.	Partially lost	None lost.
November 19th	Lat. 16° 33¾′ N., long. 94° 3½′ E.	Bay of Bengal	Abandoned. Heavy weather.	All lost	1 life lost.
November 22nd	West coast of North Cinque island.	Bay of Bengal	Stranding. Heavy weather.	All lost	None lost.
November 25th	Near Mall, mouth of the river Indus.	Sind coast	Do.	In ballast	Do.
November 27th	Off China Bakir light-vessel.	Burma coast	Do.	All lost	7 lives lost.
November 29th	Kulasekharapatnam	Gulf of Manar	Foundering. Heavy weather.	Partially lost	None lost.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
55	Muhamed Baghyalet-chimy.	British Indian .	126	Tuticorin . .	Calicut . . .
56	Siva Coomaraswamy .	Do. . .	54	Jaffna . . .	Quilon . . .
57	E. Thye Choon .	Do. . .	84	Rangoon . . .	Tavoy . . .
58	Mahomed Bux . .	Do. . .	166	Moulmein . .	Car Nicobar . .
59	Ba La Aung . .	Do. . .	Not given	Karokpi . . .	Rangoon . . .
60	Dariadowlat . .	Do. . .	72	Karachi . . .	Mandvi . . .

waters during the year 1922—*concld.*

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
November 29th	Off Manakudi . .	Malabar coast . .	Foundering. Error of the Tindal.	All lost .	7 lives lost.
November 30th	Near Kolachel . .	Do. . .	Stranding. Heavy weather.	Partially lost and partially damaged.	None lost.
December 7th	Near Table island lighthouse.	Bay of Bengal . .	Do. .	No cargo .	Do.
December 8th	Lat. 11° 29½′ N., long. 92° 45½′ E.	Do. . .	Foundering. Heavy weather.	All lost .	1 life lost.
December 10th	Approaches to Rangoon river.	Burma coast . .	Do. .	Do. .	None lost.
December 10th	Dubba, mouth of the river Indus.	Sind coast . .	Do. .	Partially lost	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
1	Dhanprasad	British Indian	23	Bombay	Novabandar and Bulsar.
2	Atna	Norwegian screw steamer.	2,873	Port Pirie	Fremantle and Calcutta
3	Clan Macnab	British screw steamer	3,816	Cardiff	Madras and Calcutta
4	Kingsbury	Do.	2,616	Do.	Aden and Calcutta
5	Hermes	Dutch twin screw motor vessel.	2,313	Balik Papan	Singapore and Budge Budge.
6	Ruparel	British Indian	28	Dahanu	Navsari
7	Java	British Paddle steamer	832	Rangoon	Dadaye and Mandalay
8	Lakshmi	British steam barge	127	Bassein	Rangoon
9	Mantola	British twin screw steamer.	5,453	London	Madras and Calcutta
10	City of York	British screw steamer.	5,033	Calcutta	London
11	City of Sparta	Do.	3,498	Glasgow	Perim and Calcutta
12	Betwa	Do.	2,383	Kidderpore Docks, Calcutta.	
13	Sugarpassa	Native craft	52	Mandvie	Sirganda
14	Polerio	British twin screw steamer.	3,909	Rotterdam	Calcutta
15	Ratnagiri	British Indian	24	Bassein	Bombay
16	Saraswati	Do.	40	Bombay	Malwan and Sarjekot
17	Vijaliprasad	Native craft	25	Dehej	Bhavnagar
18	Kamandu	British Indian	179	Jaffna	Cocanada
19	Nyanza	British twin screw steamer.	4,322	Madras	Calcutta and London
20	Javar Pasa	Native craft	43	Bombay	Porbander
21	Ratnagiri	Do.	110	Bombay	Bhavnagar
22	Warla	British screw steamer	1,342	Moulmein	Penang
23	Otto Sverdrup	Norwegian screw steamer.	2,291	Do.	Calcutta

waters during the year 1922.

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
January 22nd .	Off Utan . . .	Bombay coast . .	Stranding. Heavy weather.	All lost .	None lost.
February 5th .	Moyapur bar . .	Hughli river . .	Stranding. Error of the Pilot.	None lost .	Do.
February 15th	Hughli Point . .	Do. . .	Stranding. Vessel's taking a heavy sheer against her helm.	Do. .	Do.
February 18th	Off Hughli Point .	Do. . .	Stranding. Tides and currents.	Do. .	Do.
February 23rd.	Royapore Crossing .	Do. . .	Stranding. Error of the Pilot.	Do. .	Do.
March 1st .	Near Machhad . .	Gulf of Cambay .	Stranding. Tides and currents.	Partially lost and partially damaged.	Do.
March 5th .	Thongwa, Maubin river.	Burma coast . .	Collision with the steam barge "Lakshmi". Error of the Master of the S.S. "Java" and the Serang of the steam barge "Lakshmi."	None lost .	Do.
March 5th .	Do. .	Do. . .	Collision with the S. S. "Java". Error of the Master of the S.S. "Java" and the Serang of the steam barge "Lakshmi."	All lost .	10 lives lost.
March 9th .	Kidderpore Dock, Calcutta.	Hughli river . .	Fire. Accidental .	Partially lost and partially damaged.	None lost.
March 11th .	Do. .	Do. . .	Fire. Unknown .	Partially damaged.	Do.
March 19th .	Sandheads . .	Bay of Bengal . .	Fire. Heating of coal	None lost .	Do.
March 22nd .	Kidderpore Dock, Calcutta.	Hughli river . .	Fire. Unknown .	Partially lost	Do.
March 27th .	Sir creek . . .	Sind coast . .	Stranding. Tides and currents.	Partially damaged.	Do.
March 28th .	Kidderpore Dock, Calcutta.	Hughli river . .	Fire. Unknown .	Do. .	Do.
March 29th .	Off Utan . . .	Bombay coast . .	Stranding. Accidental	All lost.	Do.
March 29th .	Off Sarjekot . .	Do. . .	Stranding. Heavy weather.	Partially lost and partially damaged.	Do.
March 31st .	Near Piram . .	Gulf of Cambay .	Stranding. Error of the Tindal.	All lost .	Do
April 3rd .	Masulipatam . .	Madras coast . .	Do. .	No cargo .	Do.
April 5th .	Kidderpore Dock, Calcutta.	Hughli river . .	Fire. Unknown .	None lost .	Do.
April 11th .	Near Mangrol . .	Kathiawar coast .	Damage to vessel. Heavy weather.	Partially lost	Do.
April 12th .	8 miles off Gogo .	Gulf of Cambay .	Stranding. Tides and currents.	All lost .	Do.
April 15th .	Moulmein river .	Burma coast . .	Stranding Accidental	None lost .	Do.
April,16th .	Do. . .	Do. . .	Stranding. Unavoidable.	Do. .	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
24	Dhanprasad	Native craft	29	Bombay	Bhavnagar
25	Vijliprasad	British Indian	46	Bhavnagar	Bhiwandi and Bombay
26	Daviprasad	Native craft	25	Balsar	Bombay and Bhavnagar.
27	Suleman	British Indian	7	Ratnagiri	Bombay
28	Mirapure	Do.	7	Keti Bandar	Reri
29	Onda	British screw steamer	3,410	Calcutta	Rangoon
30	Willcasino	Do.	5,351	Liverpool	Delagoa bay and Karachi.
31	Breynton	Do.	2,674	Newport	Durban and Karachi
32	Mahsud	Do.	5,022	Calcutta	Colombo and Bremen
33	Gracchus	Do.	2,411	Bombay	Colombo and Calcutta
34	Putton	British Indian	9	Jungle Khatho	Keti Bandar and Karachi.
35	Surat	British screw steamer	2,784	Calcutta	Rangoon and Colombo
36	Laxmi	British Indian	10	Bombay	Borlai
37	Krishna	Do.	8	Do.	Revdanda
38	Hatipara	British twin screw steamer.	4,893	London	Aden and Calcutta
39	Culna	British screw steamer	3,966	Calcutta	Rangoon
40	Ockenfels	German screw steamer	4,679	Do.	Rangoon and Hamburg
41	Clan Colquhoun	British screw steamer	3,760	Glasgow	Madras and Calcutta
42	Maydeshmawli	British Indian	4	Thana	Bassein
43	Hoogkerk	Dutch screw steamer	3,170	Hamburg	Rangoon and Calcutta
44	City of Christiania	British screw steamer	3,031	Birkenhead	Port Said and Calcutta
45	Sree Swami	British Indian	135	Masulipatam	Calcutta
46	Fathe Karim Rupali	Do.	161	Mangalore	Karachi

waters during the year 1922—*contd.*

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lo t or saved.	No. of lives lost or saved.
April, 26th .	Bhavnagar creek .	Gulf of Cambay .	Capsized. Tides and currents.	All lost .	None lost.
May 9th .	Off Gorai . .	Bombay coast . .	Stranding. Accidental	Partially lost	Do.
May 9th .	Opposite Gego . .	Gulf of Cambay .	Stranding. Error of the Tindal.	Do. .	Do.
May 18th .	Off Sunk rock light-house, Bombay harbour.	Bombay coast . .	Collision with the French Gun boat "Malicieuse." Heavy weather.	All lost .	Do.
May 23rd .	Near Keti Bandar .	Sind coast . .	Capsized. Heavy weather.	In ballast .	1 life lost.
May 25th .	Sankral sand . .	Hughli river . .	Stranding. Error of the Pilot.	None lost .	None lost.
May 25th .	Karachi . . .	Sind coast . .	Fire. Unknown .	In ballast .	Do.
May 29th .	Karachi harbour .	Sind coast . .	Fire. Spontaneous combustion.	Partially lost	Do.
June 27th .	Sankral sand . .	Hughli river . .	Stranding. Error of the Pilot.	None lost .	Do.
July 9th .	Hughli Point . .	Do. . .	Stranding. Vessel's taking a heavy sheer to starboard.	Do. .	Do.
July 11th .	Near Keti Bandar .	Sind coast . .	Stranding. Heavy weather.	Partially lost and partially damaged.	Do.
July 12th .	Colombo harbour .	Ceylon coast . .	Collision with S. W. Breakwater. Unavoidable.	None lost .	Do.
July 15th .	Off Chowl Khadi beacon.	Bombay coast . .	Foundering. Heavy weather.	No cargo .	6 lives lost.
July 18th .	Off Korlai Fort . .	Do. . .	Do. .	Do. .	None lost.
July 30th .	Aden harbour . .	Gulf of Aden . .	Stranding. Vessel's refusal to answer her helm.	None lost .	Do.
August 10th .	Rangoon harbour .	Burma coast . .	Collision with the S.S. "Ockenfels." Error of the 3rd Engineer.	Do. .	Do.
August 10th .	Do. . .	Do. . .	Collision with the S.S. "Culna." Error of the 3rd Engineer of that vessel.	Do. .	Do.
August 10th .	Hog river Reach .	Hughli river . .	Stranding. Error of the Pilot.	Do. .	Do.
August 19th .	Bassein creek . .	Bombay coast . .	Capsized. Heavy weather.	No cargo .	Do.
September 22nd	Fulta Point . .	Hughli river . .	Stranding. Vessel's taking a sheer to starboard against her helm.	None lost .	Do.
September 23rd	Do. .	Do. . .	Stranding. Tides and currents.	Do. .	Do.
September 26th	Near Bichitrapur Barapahi.	Orissa coast . .	Stranding. Heavy weather.	No cargo .	Do.
September 27th	Mangalore . .	Malabar coast . .	Stranding. Tides and currents.	Partially lost	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
47	Hariprasad . .	British Indian . .	4	Jaigad . . .	Varoda . . .
48	Ganpatiprasad . .	Do. .	21	Kalyan . . .	Bombay . . .
49	British General . .	British screw steamer	4,350	Thameshaven . .	Abadan and Swansea
50	Veniero . . .	Italian screw steamer .	3,199	Venice . . .	Calcutta and Madras .
51	Ekma	British twin screw steamer.	2,356	Calcutta . . .	Rangoon . . .
52	Laxmiparsa . .	British Indian . .	99	Porbander . .	Karwar and Calicut .
53	Willcasino. . .	British screw steamer	5,351	Newport Mon . .	Aden and Bombay .
54	Vijialetchmy . .	British Indian . .	64	Kulasekarapatnam .	Calicut . . .
55	Flor-de-Mar . .	Do. . .	129	Tuticorin . . .	Badagara and Quilandy
56	Annan Maru . .	Japanese screw steamer	1,821	Osaka . . .	Rangoon and Calcutta
57	Maria Josephina .	British Indian . .	195	Cuddalore . .	Penang and Akyab .

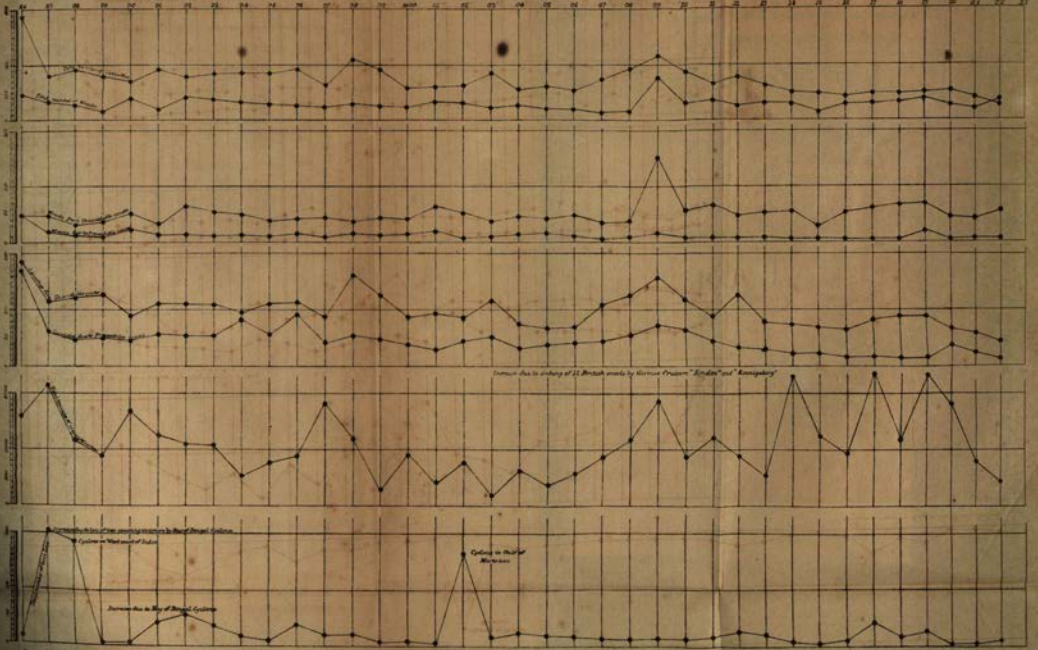
waters during the year 1922—*concld.*

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
October 6th .	Off Jaigad outer light	Bombay coast . .	Capsized. Heavy weather.	All lost .	None lost.
October 10th .	Thana creek . .	Do. . .	Foundering. Heavy weather.	Partially lost and partially damaged.	Do.
October 21st .	Lat. 26° 23′ N., long. 56° 23′ E.	Persian Gulf entrance	Stranding. Uncharted rock.	Partially lost	Do.
October 26th .	Koffri sand . .	*Hughli river* . .	Stranding. Slowness of the steering gear.	None lost .	Do.
October 27th .	College sand . .	Do. . .	Stranding. Formation of a lump.	None lost .	Do.
November 14th	Karwar . . .	Bombay coast . .	Stranding. Heavy weather.	No cargo .	Do.
November 16th	Bombay . . .	Do. . .	Fire. Spontaneous combustion.	Partially damaged.	Do.
November 30th	Sreemulapuram .	Malabar coast . .	Stranding. Heavy weather.	Partially lost	Do.
November 30th	Lat. 7° 45′ N., long. 77° 50′ E.	Gulf of Manar . .	Abandoned. Heavy weather.	All lost .	Do.
December 10th	Off Dalhousie Sand .	Bay of Bengal . .	Stranding. Heavy weather.	None lost .	Do.
December 15th	Lat. 16° 37′ N., long. 93° 2′ E.	Bay of Bengal . .	Abandoned. Error of the Master and Mate.	In ballast .	Do.

SGPI—M—1 P. G. & R. of W.—27-6-23—135.

DIAGRAM.

Shewing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1868 to 1922 inclusive.


Increase due to sinking of 11 British vessels by German Prizers "Emden" and "Königsberg"
Cyclone in Bay of Bengal Calcutta
Cyclone in West coast of India
Cyclone in Bay of Bengal Calcutta
Cyclone in Gulf of Martaban

Hydrographic Office, Bombay. 1924. 5. 25.

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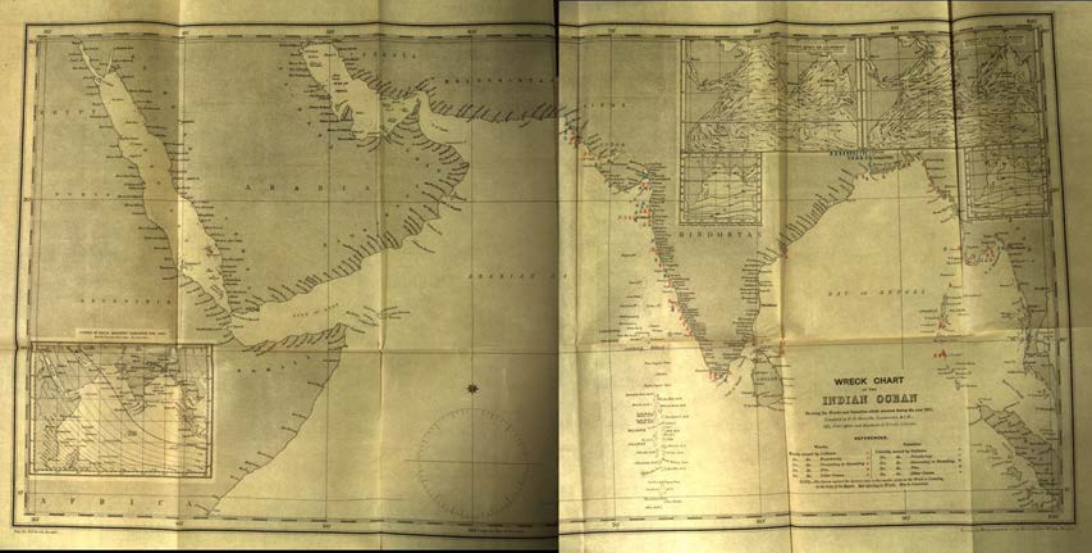
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RETURN

OF

WRECKS AND CASUALTIES

IN

INDIAN WATERS

For the year 1923

TOGETHER WITH A CHART SHOWING THE POSITIONS IN WHICH THEY OCCURRED, AND A DIAGRAM SHOWING COMPARATIVE NUMBERS OF THE REPORTED MARITIME WRECKS AND CASUALTIES, THE TOTAL TONNAGE, AND THE NUMBER OF LIVES LOST, FOR THE PAST THIRTY-EIGHT YEARS

PREPARED BY

CAPTAIN O. GOLDSMITH, R.I.M.,

PORT OFFICER AND REGISTRAR OF WRECKS

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REVIEW.

The reports received in connection with the Wrecks and Casualties which occurred in Indian Waters during the year 1923, shew that there were altogether 54 Wrecks and 57 Casualties.

The Wrecks consisted of 3 British and 41 British Indian vessels and 10 Native craft. Of the Casualties 27 were British, 10 Foreign, 18 British Indian vessels and 2 Native craft.

The Wrecks comprised 3 Collisions, 26 Founderings, 20 Strandings and 5 other cases. The Casualties included 7 Collisions, 32 Strandings and 18 other cases.

The total number of lives lost by Wrecks and Casualties was 110.

There were other minor cases which have not been included in this Return.

The most lamentable feature of the Wrecks and Casualties which occurred in the year under review was the foundering of the S.S. " Okara " belonging to the British India Steam Navigation Co., Ltd. She sailed from Calcutta on the 1st May 1923 for Rangoon with a crew of 79 hands and a cargo of coal. Leaving Sandheads at 4 A. M. on the 3rd idem, she encountered cyclonic weather in the Bay of Bengal on the 4th and 5th and sent S. O. S. Signals at different intervals on the 5th until about 9-36 P. M. of that date when she foundered with all on board. A number of vessels hastened to the position given by the " Okara " but no trace of the missing vessel was found.

A Marine Court of Enquiry, held at Calcutta, considered that the direct causes of the foundering of the S. S. " Okara " were that her hatches went and she was overwhelmed by a huge sea as the result of her being caught in a cyclone on the 4th-5th May.

The British Indian vessel " Aung Zaw Byan " whilst on a voyage from Mergui to Rangoon was overtaken by a heavy rain squall on the 27th April 1923 and capsized off Kalagouk island, Gulf of Martaban. Out of a crew of 12, nine were swept overboard and lost.

The British Indian vessel " Lakhmipassa Kadri " whilst bound from Basra to Veraval with a crew of 13 hands met stormy weather and foundered with all on board somewhere in the Persian Gulf at the end of November or beginning of December 1923.

The above Wrecks and Casualties numbering 111, occurred in the following localities :—

21 on the Bombay coast, 16 on the Sind coast, 15 on the Burma coast, 12 in the Hughli river, 9 in the Gulf of Cambay, 6 on the Malabar coast, 5 in the Gulf of Manar and Palk Strait, 5 on the Ceylon coast, 5 on the Madras and Coromandel coasts, 4 on the Orissa coast, and the rest, in smaller numbers, in other localities in Indian Waters.

The following analyses show :—(A) the causes to which the reported Wrecks and Casualties are attributed ; (B) a comparative statement of the reported number of Wrecks and Casualties recorded in the Indian Wreck Department from the years 1886 to 1923, inclusive, shewing respectively, in the cases of British and Foreign vessels, British Indian vessels and Native craft, whether the disasters were due to unavoidable or preventable causes ; (C) a comparative statement shewing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost during the years 1886 to 1923, inclusive ; (D) a tabular statement of the Wrecks and (E) a tabular statement of the Casualties reported in Indian Waters during the year under review arranged in chronological order.

A wreck chart of the Indian Ocean, and a diagram shewing the reported number of Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked, and the number of lives lost during the years 1886 to 1923, are also appended to this Return.

In concluding this review, I have to thank the various Marine Authorities in India and the Shipping Firms in Calcutta for kindly furnishing this Office with the details concerning the Wrecks and Casualties herein recorded.

O. GOLDSMITH, *Captain, R.I.M.*,
Port Officer and Registrar of Wrecks, Calcutta.

The 31st March 1924.

A.—Causes to which the reported maritime disasters are attributed.

	Collisions.			Founderings.			Strandings.			Other casuses.		
	No.	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.	No	Tonnage.	Lives lost.	No.	Tonnage.	Lives lost.
WRECKS.												
British vessels—												
Steam	..	..	..	3	3,489	80	..	..	..	..	..	..
Sailing	..	..	..	..	..	..	..	..	..	..	..	..
British Indian—												
Sailing	3	49	..	19	(a)1,790	13	14	(a)652	2	5	(a)234	12
Native craft of all nationalities.												
Sailing	..	..	..	4	213	..	6	398	..	..	..	..
Vessels of Foreign nationalities.												
Steam	..	..	..	..	..	..	..	..	..	..	..	..
Sailing	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	3	49	..	26	5,492	93	20	1,050	2	5	234	12
CASUALTIES.												
British vessels—												
Steam	5	13,394	..	..	..	..	16	47,564	..	6	13,796	1
Sailing	..	..	..	..	..	..	..	..	..	..	..	..
British Indian—												
Sailing	2	(a)4	..	..	..	..	12	616	2	4	41	..
Native craft of all nationalities.												
Sailing	..	..	..	..	..	..	2	122	..	..	..	..
Vessels of Foreign nationalities.—												
Steam	..	..	..	..	..	..	2	6,873	..	7	27,774	..
Sailing	..	..	..	..	..	..	..	..	..	1	2,057	..
TOTAL	7	13,398	..	..	..	..	32	55,175	2	18	43,868	1
GRAND TOTAL	10	13,447	..	26	5,492	93	52	56,225	4	23	43,902	13

(a) Not including the tonnage of 6 British Indian vessels not given.

B.—Comparative Statement of the reported number of maritime wrecks and casualties recorded in the Indian Wreck Department from the years 1886 to 1923 inclusive, showing respectively British and Foreign vessels, British Indian vessels, and Native craft.

Year.	WRECKS.						TOTAL.	CASUALTIES.						TOTAL.
	British and Foreign vessels.		British Indian vessels.		Native craft.			British and Foreign vessels.		British Indian vessels.		Native craft.		
	Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.		Unavoidable.	Preventable.	Unavoidable.	Preventable.	Unavoidable.	Preventable.	
1886 . . .	4	10	30	24	11	12	91	129	130	37	31	16	8	351
1887 . . .	9	9	21	5	19	5	68	51	43	41	7	14	4	160
1888 . . .	3	8	8	7	16	6	48	72	33	39	11	35	..	190
1889 . . .	5	3	22	2	10	1	43	80	40	36	7	10	1	174
1890 . . .	10	11	28	14	9	1	73	65	41	23	7	5	..	141
1891 . . .	7	5	16	2	6	3	39	67	71	45	4	3	2	192
1892 . . .	3	3	30	5	31	..	72	36	48	42	3	29	..	158
1893 . . .	6	4	36	6	9	..	61	46	54	48	4	9	1	162
1894 . . .	2	2	39	5	5	2	55	31	64	55	15	11	3	179
1895 . . .	4	3	28	9	5	..	49	48	36	55	17	6	1	163
1896 . . .	3	3	23	9	16	..	54	38	64	42	20	22	3	189
1897 . . .	4	6	34	4	9	..	57	33	27	43	8	9	..	120
1898 . . .	3	6	19	8	10	..	46	85	44	56	5	20	1	211
1899 . . .	1	3	39	4	6	1	54	84	37	22	3	17	1	164
1900 . . .	2	3	24	6	14	1	50	46	29	33	2	9	..	119
1901 . . .	1	3	46	6	12	1	69	44	15	35	6	19	1	120
1902 . . .	6	1	33	2	11	..	53	29	34	25	9	29	4	130
1903 . . .	..	..	27	5	10	1	43	16	41	84	7	13	2	163
1904 . . .	2	2	27	6	13	3	53	42	26	24	8	10	1	111
1905 . . .	3	6	29	3	2	1	44	28	23	25	7	20	..	103
1906 . . .	2	1	23	9	15	2	52	31	48	16	4	21	..	120
1907 . . .	4	1	19	3	10	..	37	61	32	35	10	12	2	152
1908 . . .	3	2	23	2	9	2	41	77	45	39	8	10	5	184
1909 . . .	14	3	101	3	36	6	163	74	64	58	7	24	1	228
1910 . . .	3	3	36	4	14	1	61	68	59	40	6	7	1	181
1911 . . .	2	3	45	2	17	2	71	50	41	32	2	5	1	131
1912 . . .	2	3	39	4	7	..	55	70	28	50	7	9	..	164
1913 . . .	3	2	39	5	10	..	59	44	25	33	6	2	..	110
1914 . . .	24	..	27	3	4	1	59	46	15	29	7	..	1	98
1915 . . .	4	2	19	2	4	..	31	29	21	28	4	15	..	97
1916 . . .	10	2	35	2	10	..	59	26	11	34	5	6	..	82
1917 . . .	11	..	38	3	13	..	65	20	10	30	7	29	..	96
1918 . . .	3	2	57	1	10	1	74	17	8	61	5	6	2	99
1919 . . .	17	8	39	6	13	1	84	47	13	37	1	5	1	104
1920 . . .	7	3	31	2	3	..	46	37	31	22	4	10	1	105
1921 . . .	3	3	33	2	3	..	44	39	19	13	5	7	..	83
1922 . . .	2	2	43	2	9	2	60	22	9	18	2	4	2	57
1923 . . .	3	..	37	4	10	..	54	29	8	14	4	2	..	57

C.—Comparative Statement showing the reported number of maritime Wrecks and Casualties in Indian Waters, the total tonnage of vessels wrecked and the number of lives lost, during the years 1886 to 1923 inclusive.

Year.	Number of Wrecks and Casualties.	Total tonnage lost.	Lives lost.	Year.	Number of Wrecks and Casualties.	Total tonnage lost.	Lives lost.
1886	442	15,402	105	1908	225	11,768(*i*)	55
1887	228	20,022	1,016(*a*)	1909	391	18,620(*j*)	69
1888	238	11,739(*b*)	917	1910	242	8,280(*k*)	64
1889	217	9,629	35	1911	202	12,308(*l*)	74
1890	214	16,973	22	1912	219	9,165(*m*)	138
1891	231	12,068	240	1913	169	5,518(*n*)	98
1892	230	10,410	272	1914	157	55,149(*o*)	44
1893	223	12,428	170	1915	128	12,824(*p*)	20
1894	234	5,180	81	1916	141	9,564(*q*)	59
1895	212	7,982	63	1917	161	30,930(*r*)	214
1896	243	8,147	168	1918	173	11,736(*s*)	91
1897	177	18,141	96	1919	188	26,535(*t*)	116
1898	257	11,979	75	1920	151	18,3[illegible](*u*)	13
1899	218	2,728	22	1921	127	7,863(*v*)	33
1900	169	9,140	34	1922	117	4,042(*w*)	45
1901	189	4,980	22	1923	111	6,825(*x*)	110
1902	183	6,949(*c*)	831				
1903	206	1,823(*d*)	50				
1904	164	6,095(*e*)	73				
1905	147	3,470(*f*)	86				
1906	172	5,545(*g*)	82				
1907	189	8,602(*h*)	70				

From the foregoing it will be seen that during the past 38 years, *viz.*, from 1886 to 1923 inclusive, the annual average of the reported Wrecks and Casualties in Indian Waters has been 202, the average total tonnage of vessels wrecked 12,076 and the average number of lives lost 152.

NOTES.—(*a*) Does not include the number of lives supposed to be lost in the S.S. "Lomport."
(*b*) Not including the tonnage of one British Indian vessel and two Native craft not given.
(*c*) " " " " one British steam launch, three British Indian vessels and one Native craft not given.
(*d*) " " " " three British Indian vessels not given.
(*e*) " " " " one British flat and two Native craft not given.
(*f*) " " " " three British and two British Indian vessels not given.
(*g*) " " " " one British Indian vessel and four Native craft not given.
(*h*) " " " " two British Indian vessels and two Native craft not given.
(*i*) " " " " one British Indian vessel and two Native craft not given.
(*j*) " " " " nine British Indian vessels and one Native craft not given.
(*k*) " " " " two British vessels, four British Indian vessels and one Native craft not given.
(*l*) " " " " one British vessel and two British Indian vessels not given.
(*m*) " " " " four British Indian vessels not given.
(*n*) " " " " one British flat and three British Indian vessels not given.
(*o*) " " " " three British vessels not given.
(*p*) " " " " one British flat and one British Indian vessel not given.
(*q*) " " " " two British steam launches not given.
(*r*) " " " " one British Indian vessel not given.
(*s*) " " " " six British Indian vessels not given.
(*t*) " " " " eight British and one British Indian vessels and one Native craft not given.
(*u*) " " " " one British vessel not given.
(*v*) " " " " two British Indian vessels not given.
(*w*) " " " " one British, five British Indian vessels and one Native craft not given.
(*x*) " " " " five British Indian vessels not given.

TABULAR STATEMENT OF THE WRECKS

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
1	Laxmipasa	Native craft	67	Bombay	Porbandar
2	Dingo Dolatpasa	British Indian	137	Mangalore	Bhavnagar
3	Manlulfalla	Do.	101	Pallipuram	Ponani and Bombay
4	Ganja Adhai	Native craft	114	Calicut	Karachi and Cochin
5	Ramprasad	British Indian	57	Bhavnagar	Bombay
6	Mumbai Salamati	Do.	26	Cambay	Do.
7	Saiffy	Do.	101	Balya Patan	Karachi
8	Gogorwel	Native craft (Portuguese).	32	Bombay	Dahanu
9	Postmail	British Indian	10	Bhugwa	Gogo
10	Fatehsalamat	Native craft	37	Cutch Moondra	Karachi
11	Cargo Boat No. 163	British Indian	34	Maungdaw	Akyab
12	Mahamudi	Do.	10	Dabhol	Ratnagiri
13	Hin Lee	Do.	Unknown	Moulmein	Mergui
14	Khoda Bux	Do.	13	Alia Bet	Gogo
15	Jamnaprasad	Do.	26	Broach	Bombay
16	Palkie	Do.	20	Bombay	Versova
17	Kasi Viswanatha Puravy.	Do.	237	Akyab	Jaffna
18	Maschyagandhi	Do.	297	Moulmein	Tondi
19	Aung Zaw Byan	Do.	Unknown	Mergui	Rangoon
20	Ah Wa Galay	Do.	Not given.	Do.	Moulmein
21	Han Zaw Byan	Do.	33	Moulmein	Mergui
22	Kim Taik Seng	Do.	66	Ye	Rangoon
23	Padarath	Do.	136	Colombo	Maldives and Cutch Mandvi.
24	Fateh Salamat	Native craft	48	Cutch Moondra	Bet Dwarka and Karachi.
25	Okara	British screw steamer	3,439	Calcutta	Rangoon

waters during the year 1923.

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause there of when traceable.	Cargo lost or saved.	No. of lives lost or saved.
January 20th	Opposite Surat	Gulf of Cambay	Foundering. Heavy weather.	All lost	None lost.
January 20th	Opposite Piram	Do.	Foundering. Tides and currents.	Do.	Do.
January 21st	Near Alibag Fort	Bombay coast	Do. Do.	Partially lost	Do.
January 22nd	Hajamro, mouth of the river Indus.	Sind coast	Stranding. Tides and currents.	All lost	Do.
January 24th	Near Hajira	Gulf of Cambay	Stranding. Unavoidable.	Partially lost.	Do.
January 27th	Off Vadwan	Bombay coast	Stranding. Accidental.	All lost	Do.
February 7th	Between Jacov and Keti Bandar.	Sind coast	Foundering. Heavy weather.	Do.	Do.
February 17th	Off Nowapur Custom House.	Bombay coast	Stranding. Heavy weather.	Partially lost	Do.
February 18th	Near Piram Island	Gulf of Cambay	Collision with a derelict steamer. Unavoidable.	No cargo	Do.
February 22nd	Off Keti Bandar	Sind coast	Foundering. Heavy weather.	In ballast	Do.
February 27th	Off Savage Island Lighthouse.	Burma coast	Foundering. Sprung a leak.	All lost	Do.
February 28th	Nevri Bay	Bombay coast	Stranding. Heavy weather.	In ballast	Do.
March 19th	Off Mawit, Tavoy District.	Burma coast	Foundering. Sprung a leak.	All lost	Do.
March 25th	Alia Bet	Gulf of Cambay	Fire. Unknown	No cargo	Do.
April 4th	Off Lohara Lighthouse	Do.	Foundering. Heavy weather.	All lost	Do.
April 5th	Bombay harbour	Bombay coast	Foundering. Collision with a buoy.	Do.	Do.
April 17th	Lat. 14° 39′ N., long. 90° 44′ E.	Bay of Bengal	Foundering. Unseaworthy condition of the vessel.	Do.	Do.
April 24th	Nabule, Gulf of Martaban.	Burma coast	Foundering. Error of the Master and the Mate.	Do.	Do.
April 27th	Off Kalagouk Island	Do.	Capsized. Heavy weather.	Do.	9 lives lost.
April 27th	Near Double Island Lighthouse.	Do.	Foundering. Heavy weather.	Do.	None lost.
April 28th	Off Green Island Lighthouse.	Do.	Foundering. Tides and currents.	Do.	Do.
April 28th	Near Kalateik, mouth of Pyapan river.	Do.	Stranding. Heavy weather.	None lost	Do.
April 29th	About 7 miles off Mattaculam Chilaw.	Ceylon coast	Foundering. Heavy weather.	All lost	Do.
April 30th	Off Keti Bandar	Sind coast	Do. Do.	In ballast	Do.
May 5th	Lat. 19° 0′ N., long. 91° 01′ E. (approx.).	Bay of Bengal	Do. Do.	All lost	79 lives lost.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
26	Mohmed Subadany	British Indian	203	Kayts	Akyab and Jaffna
27	Meenatchysundaram	Do.	176	Kankasundarai	Do.
28	Putton	Do.	4	Jule Jungle	Jungle Raphoto and Keti Bandar.
29	Patholea Mannan	Do.	166	Mangalore	Bombay
30	Fatemari Darya-Mouj	Do.	45	Do.	Do.
31	Fatehmubarakh	Do.	97	Karachi	Jodiya
32	Fatehmubarak	Native craft	125	Do.	Do.
33	Lakmipassa	British Indian	Unknown	Maldive	Cutch Mandvi
34	Ngakyouk	British steam tug	27	Wakema	Rangoon
35	Dariadolat	British Indian	70	Jodiya	Navlakhi and Basra
36	Suffynathoo Salamathy	Do.	36	Lying at anchor off Tellicherry Pier.	
37	Hariprasad	Native craft	61	Salaya	Basra
38	Jahwer Prasad	British Indian	172	Uran	Mangalore
39	Gharapuri	British steam launch	23	Bombay	Dabhol
40	Parvatiprasad	British Indian	27	Mahuva	Bombay
41	Manek Prasad	Do.	30	Jafrabad	Do.
42	Dhanprasad	Do.	Unknown	Victor Bandar	Do.
43	Dhanprasad	Do.	24	Mahuva	Do.
44	Labhsawai	Do.	29	Do.	Do.
45	M. Dubas	Native craft	7	Bombay	Bankot
46	Imamshahi	British Indian	20	Karachi	Keti Bandar
47	Zaverpassa	Do.	83	Do.	Dwarka
48	Boom Mowafik	Native craft	70	Basra	Karachi
49	Mohammad Salamathy	British Indian	44	Ponani	Baindur
50	Manikprasad	Do.	20	Jafrabad	Bombay and Satpati

waters during the year 1923—*contd.*

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
May 8th	Balasore roads	Orissa coast	Foundering. Heavy weather.	All lost	None lost.
May 8th	Sonadia Island	Chittagong coast	Do. Do.	All damaged	Do.
May 9th	Near Keti Bandar	Sind coast	Capsized. Heavy weather.	In ballast	Do.
May 12th	Mangalore	Malabar coast	Stranding. Error of the Tindal.	All lost	Do.
May 13th	Malwan harbour	Bombay coast	Fire. Not reported	Partially lost and partially damaged.	Do.
June 6th	Near Ghodabari	Sind coast	Foundering. Heavy weather.	All lost	Do.
June 8th	Near Chan, mouth of the river Indus.	Do.	Stranding. Heavy weather.	Do.	Do.
June 14th	Mangalore entrance	Malabar coast	Do. Do.	No cargo	Do.
August 2nd	Shweloung river	Burma	Foundering. Tides and currents.	Do.	1 life lost.
August 18th	Near Khari Rohar	Gulf of Kutch	Stranding. Unavoidable.	All lost	None lost.
August 19th	Tellicherry	Malabar coast	Collision with the Pier. Heavy weather.	No cargo	Do.
September 1st	Near Gwadar	Makran coast	Foundering. Sprung a leak.	Do.	Do.
September 12th	Off Bhatkal	Bombay coast	Capsized. Heavy weather.	In ballast	3 lives lost.
September 20th	Near Kihim	Do.	Foundering. Heavy weather.	No cargo	None lost.
September 20th	Near Mudh Fort	Do.	Stranding. Heavy weather.	All lost	Do.
September 20th	Off Prongs Lighthouse, Bombay harbour.	Do.	Do. Do.	Do.	2 lives lost.
September 20th	South of Canary Islands.	Do.	Foundering. Heavy weather.	Do.	None lost.
September 20th	Manori Creek	Do.	Stranding. Heavy weather.	Do.	Do.
September 22nd	Ghiroli Reef	Do.	Do. Do.	Do.	Do.
September 23rd	Bankot Bar	Do.	Stranding. Tides and currents.	Partially lost and partially damaged.	Do.
September 26th	Mouth of Kurungi creek.	Sind coast	Foundering. Heavy weather.	Do.	Do.
October 4th	Near Bada	Gulf of Kutch	Stranding. Heavy weather.	Do.	Do.
October 19th	Between Hajamro and Tursian Bars.	Sind coast	Do. Do.	About all lost	Do.
November 20th	Calicut	Malabar coast	Stranding. Tides and currents.	Partially lost.	Do.
November 25th	Satpati Reef	Bombay coast	Stranding. Error of the Tindal.	All lost	Do.

D.—Wrecks reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
51	Lakhmipassa Kadri .	British Indian . .	127	Basra	Veraval . . .
52	Ganpatpassa . .	Native craft . .	50	Karachi	Cutch Mandvi . .
53	Dhanprasad . .	British Indian . .	45	Mangalore . .	Surat . . . .
54	Yeshwanti . .	Do. . .	3	Lying at anchor off Kasheli .	

waters during the year 1923—*concld.*

Date of wreck.	Position of wreck and name of shoal, etc.	General locality where wreck occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
November-December.	Exact spot not known	Persian Gulf . .	Foundering. Heavy weather.	All lost .	13 lives lost.
December 1st .	Near Keti Bandar .	Sind coast . .	Stranding. Sprung a leak.	Do. .	None lost.
December 8th .	Tapti river . .	Gulf of Cambay .	Foundering. Tides and currents.	Do. .	Do.
December 13th	Off Kasheli . .	Bombay coast . .	Collision with the S.S. "Vegwati." Non-exhibition of light.	No cargo .	Do.

TABULAR STATEMENT OF THE CASUALTIES

ARRANGED IN THE ORDER IN WHICH THEY OCCURRED.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
1	Jalaputra	British screw steamer	3,113	Karachi	Tuticorin and Colombo
2	Sri Parnathavastheine	British Indian	32	Adirampatnam	Kaits
3	Pathucalganny	Do.	39	Manar	Adirampatnam
4	Lemkenhafen	German sailing vessel	2,057	Hamburg	Calcutta
5	Laxumi	British Indian	4	Bombay	Revdanda
6	Syriam	British screw steamer	891	Chittagong	Rangoon
7	Chilka	British twin screw steamer.	2,209	Calcutta	Do.
8	Malda	Do.	5,453	Middlesborough	Madras and Calcutta
9	Cordillere	French screw steamer	3,024	Penang	Colombo and Marseilles
10	Fatekhair	Native craft (Beluchi)	79	Bombay	Karachi
11	Angora	British screw steamer	1,926	Calcutta	Rangoon
12	Saing	British Indian	Not given	Rangoon	Mannauk
13	Angora	British screw steamer	1,926	Do.	Calcutta
14	Erriba	Do.	1,919	Melbourne	Colombo and Dunkirk
15	Shanteri	British Indian	29	Coondapur	Deogad
16	Ethiopia	British twin screw steamer.	3,832	Rangoon	Madras
17	Andromede	French screw steamer	3,720	Noumea	Melbourne and Colombo
18	Sir Sulemani	British Indian	7	Ratnagiri	Malpi and Purnagad
19	Elveric	British screw steamer	3,563	Calcutta	Madras
20	Mahanada	Do.	4,522	Do.	Colombo and London
21	Sandip	British twin screw steamer.	163	Do.	Chandbali
22	Bhadra	Do.	285	Do.	Do.
23	Savitri	British Indian	87	Cochin	Bombay

waters during the year 1923.

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
January 11th .	Colombo harbour .	Ceylon coast . .	Fire. Spontaneous combustion.	Partially lost	None lost.
January 13th .	Lat. 10° 20½′ N., long. 79° 23′ E.	Palk Bay . .	Stranding. Heavy weather.	Partially damaged.	Do.
January 13th .	Adirampatnam . .	Do. . .	Do. Do. .	In ballast .	Do.
January 14th .	Calcutta . . .	Hughli river . .	Capsized. Unstable equilibrium.	None lost .	Do.
January 18th .	Off Korlai Fort . .	Bombay coast . .	Collision with the steamer "Tilak." Not reported.	No cargo .	Do.
January 24th .	Rangoon river . .	Burma coast . .	Stranding. Tides and currents.	None lost .	Do.
January 26th .	Sankral sand . .	Hughli river . .	Stranding. Defective steering gear.	Do. .	Do.
February 16th	Madras harbour .	Coromandel coast .	Stranding. Error of the Pilot.	Do. .	Do.
February 22nd	Colombo harbour .	Ceylon coast . .	Stranding. Tides and currents.	Do. .	Do.
February 24th	Edwan Port . .	Bombay coast . .	Stranding. Heavy weather.	No cargo .	Do.
February 28th	South Liffey island, Rangoon river.	Burma coast . .	Collision with the craft "Saing." Want of proper light on that vessel.	None lost .	Do.
February 28th	Do. .	Do. . .	Collision with the S. S. "Angora." Want of proper light.	Unknown .	Do.
March 4th .	Garden Reach . .	Hughli river . .	Collision with the I.S.V. "Sir Trevredyn Wynne." Error of the Assistant Harbour Master.	None lost .	Do.
March 8th .	Lat. 7° 15′ N., long. 78° 38′ E.	Indian Ocean . .	Fire. Spontaneous combustion.	Unknown .	Do.
March 8th .	4 miles off Shirur .	Malabar coast . .	Stranding. Unavoidable.	Partially damaged.	Do.
March 12th .	Madras harbour .	Coromandel coast .	Collision with the S.T. "Thruster." Not reported.	None lost .	Do.
March 12th .	Colombo harbour .	Ceylon coast . .	Fire. Spontaneous combustion.	Do. .	Do.
March 13th .	Murdeshwar port entrance.	Bombay coast . .	Stranding. Accidental	Partially lost and partially damaged.	Do.
March 14th .	Sankral Reach . .	Hughli river . .	Stranding. Foggy weather.	None lost .	Do.
March 16th .	Calcutta . . .	Do. . .	Stranding. Error of the Assistant Harbour Master.	Do. .	Do.
March 19th .	Dhamra river . .	Orissa coast . .	Stranding. Shoaling of the river.	Do. .	Do.
March 22nd .	Do. . .	Do. . .	Do. Do. .	Do. .	Do.
April 4th .	Cochin bar . .	Malabar coast . .	Stranding. Unavoidable.	Partially damaged.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
24	Paris Maru	Japanese screw steamer	4,276	Yokohama	Colombo and Antwerp
25	Paris Maru	Do.	4,276	Do.	Do.
26	Paris Maru	Do.	4,276	Do.	Do.
27	Chanda	British screw steamer	4,030	Calcutta	Rangoon
28	Krishna	British Indian	4	Sherawati creek	Arabian sea
29	Hardinge	British twin screw steamer.	262	Dhanushkodi	Talamanar
30	Hong Hwa	British screw steamer	1,924	Singapore	Penang and Rangoon
31	Lilly	British Indian	114	Colombo	Pondicherry
32	Garbeta	British screw steamer	3,204	Chittagong	Colombo and Trivandrum.
33	Cadirescin	British Indian	82	Ponani	Jaffna
34	Jalavijaya	British screw steamer	2,297	Rangoon	Moulmein and Akyab
35	Clan Macbrayne	Do.	2,978	Glasgow	Madras and Chittagong.
36	Fatehkhair	British Indian	18	Jungle Panjgajo	Bram Hydari and Karachi.
37	Hari Prasad	Native craft	43	Bhavnagar	Kalai and Bulsar
38	Bhadra	British twin screw steamer.	285	Chandbali	Calcutta
39	Barenfels	German screw steamer	4,678	Bombay	Karachi and Bremen
40	Cadrio	British Indian	7	Juti	Keti Bandar
41	Breconian	British screw steamer	2,577	Karachi	Port Said
42	Canara	Do.	3,889	Calcutta	Madras
43	Gutenfels	German screw steamer	3,849	Do.	Antwerp and Hamburg.
44	Cadrio	British Indian	9	Keti Bandar	Bram Hydari and Karachi.
45	Collegian	British twin screw steamer.	3,678	Calcutta	Colombo and Liverpool.
46	Mahanada	British screw steamer	4,522	Do.	Antwerp and Hamburg

waters during the year 1923—*contd.*

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
April 23rd	Lat. 9° 43′ N., long. 68° 21′ E.	Arabian sea	Fire. Spontaneous combustion.	Partially damaged.	None lost
April 24th	Lat. 10° 36′ N., long. 64° 34′ E.	Do.	Do. Do.	Do.	Do.
April 26th	Lat. 12° 59′ N., long. 53° 35′ E.	Do.	Do. Do.	Do.	Do.
April 29th	Garden Reach	Hughli river	Stranding. Error of the Pilot.	None lost	Do.
April 29th	Mouth of Sherawati creek.	Bombay coast	Capsized. Tides and currents.	All lost	Do.
April 30th	Dhanushkodi, Rameshwaram island.	Palk Strait	Stranding. Unavoidable.	None lost	Do.
May 5th	Rangoon river	Burma coast	Stranding. Error of the Pilot.	No cargo	Do.
May 9th	Sand Bank Channel	Gulf of Manar	Do. Do.	None lost	Do.
May 11th	Off Colombo	Ceylon coast	Bursting of the main stop valve. Accidental.	Do.	1 life lost.
May 12th	Reef Channel	Gulf of Manar	Stranding. Error of the Pilot.	Do.	None lost.
May 26th	Moulmein	Burma coast	Fire. Spontaneous combustion.	Do.	Do.
May 31st	Madras	Coromandel coast	Damage to vessel. Unavoidable.	Do.	Do.
May 31st	Vallan creek, river Indus.	Sind coast	Capsized. Heavy weather.	Partially lost and partially damaged.	Do.
June 4th	Kasargad	Bombay coast	Stranding. Heavy weather.	None lost	Do.
June 4th	Dhamra river	Orissa coast	Struck a submerged obstruction. Unavoidable.	Do.	Do.
June 5th	Karachi	Sind coast	Fire. Unknown	Partially lost	Do.
June 13th	Keti Bandar	Do.	Capsized. Sudden erosion of the river.	Partially lost and partially damaged.	Do.
June 18th	Ras-al-Ara	Gulf of Aden	Stranding. Not reported.	None lost	Do.
July 10th	Garden Reach	Hughli river	Stranding. Formation of a lump.	Do.	Do.
July 18th	Sankral sands	Do.	Stranding. Vessel's refusal to answer her helm.	Do.	Do.
July 29th	Jharri creek, river Indus.	Sind coast	Stranding. Heavy weather.	Partially lost and partially damaged.	Do.
August 1st	Mud Point	Hughli river	Stranding. Error of the Pilot.	None lost	Do.
August 16th	Head of Sankral sands	Do.	Stranding. Unavoidable.	Do.	Do.

E.—Casualties reported in Indian

No.	Name of vessel.	Flag and rig of vessel.	Tonnage.	Whence bound.	Whither bound.
47	Allahmillai	British Indian	10	Jungle Baghan	Karachi
48	Colaba	British screw steamer	3,899	Calcutta	Rangoon
49	Nagore Meera Sahib	British Indian	24	Metaclub	Point Pedro
50	Seang Bee	British twin screw steamer.	3,784	Penang	Rangoon
51	Angora	British screw steamer	1,926	Rangoon harbour.	
52	Hari Passa	British Indian	170	Cochin	Karachi and Maldive islands.
53	Angkor	French twin screw steamer.	3,786	Marseilles	Perim and Kobe
54	Manipur	British screw steamer	5,697	Glasgow	Port Said and Calcutta
55	Ruparel	British Indian	12	Gogo	Bhagwa
56	Barbarigo	Italian screw steamer	2,762	Madras	Venice
57	Dariadolat	British Indian	13	Bulsar	Dholera

waters during the year 1923—*concld.*

Date of casualty.	Position of casualty and name of shoal, etc.	General locality where casualty occurred.	Nature of disaster and cause thereof when traceable.	Cargo lost or saved.	No. of lives lost or saved.
August 17th .	Ochita creek, river Indus.	Sind coast . .	Stranding. Tides and currents.	Partially lost and partially damaged.	None lost.
August 27th .	Jellingham Channel .	Hughli river . .	Stranding. Error of the Pilot.	None lost .	Do.
September 13th	Near Chatrapore .	Madras coast . .	Stranding. Unavoidable.	Partially lost and partially damaged.	2 lives lost.
September 19th	Rangoon river .	Burma Coast . .	Collision with the S.S. "Angora." Accidental.	None lost .	None lost.
September 19th	Do. . .	Do. . .	Collision with the S.S. "Seang Bee." Accidental.	Do. .	Do.
October 13th .	Karachi harbour .	Sind coast . .	Stranding. Error of the Tindal.	Partially lost and partially damaged.	Do.
October 15th .	Perim harbour . .	Red Sea . . .	Fire. Unknown .	Partially damaged.	Do.
October 31st .	Panchpara . .	Hughli river . .	Stranding. Vessel's taking a heavy sheer to port.	None lost .	Do.
December 3rd .	Gogo creek . .	Gulf of Cambay .	Sprung a leak. Heavy weather.	Partially lost	Do.
December 8th .	Off Madras . .	Coromandel coast .	Fire. Not reported .	None lost .	Do.
December 18th	Bhagwa . . .	Gulf of Cambay .	Stranding. Heavy weather.	Partially lost	Do.

SGPI—M—1-P. O. & B. of W.—3-7-24—185.

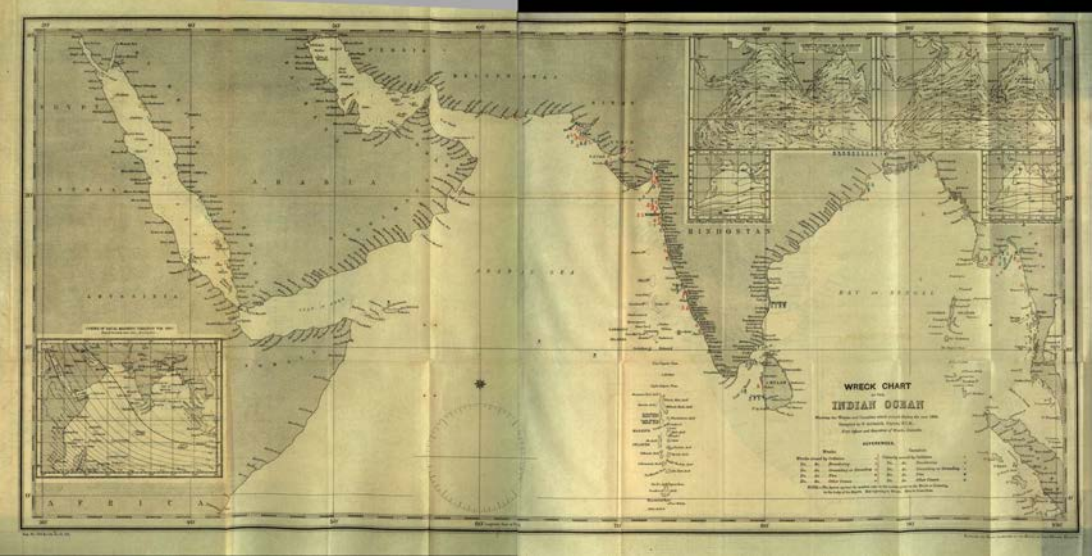
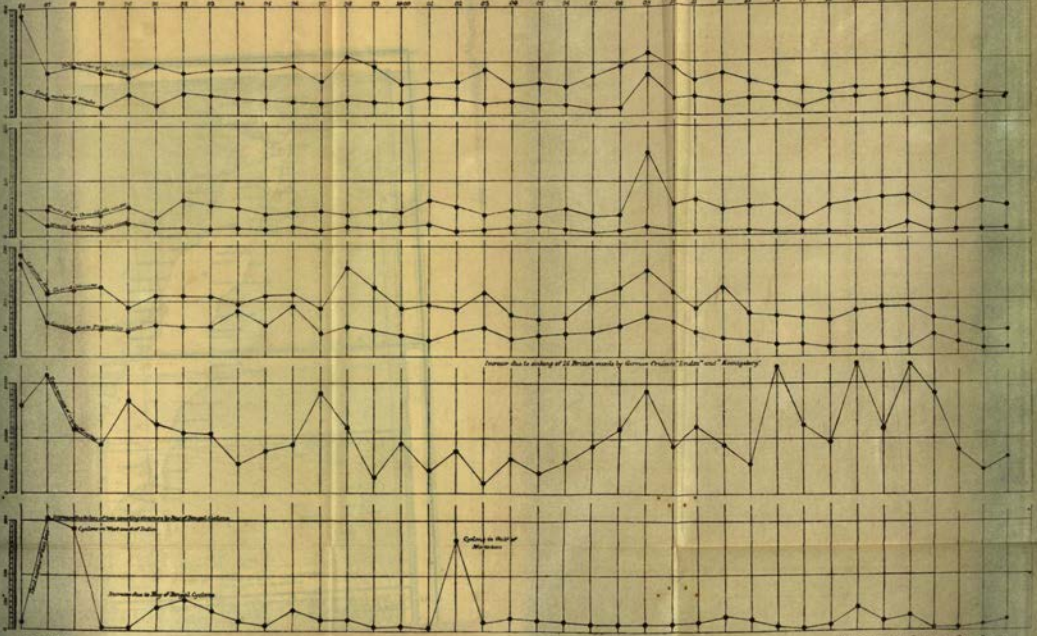

WRECK CHART
OF THE
INDIAN OCEAN
ARABIA
AFRICA
HINDOSTAN
PERSIAN GULF
RED SEA
BAY OF BENGAL
SOCOTRA
CEYLON

DIAGRAM.

Showing Comparative Numbers of Maritime Wrecks and Casualties, Total Tonnage, and the Number of Lives lost, reported to the Indian Wreck Department, Calcutta, from the year 1868 to 1923 inclusive.


Increase due to sinking of 22 British vessels by German Privateers "Emden" and "Königsberg"
Cyclone in Mid-Ocean
Increase due to Way of Bengal Cyclone

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